

Legend Biotech

2022 R&D Day

October 3, 2022

Forward-looking Statements

Statements in this report about future expectations, plans and prospects, as well as any other statements regarding matters that are not historical facts, constitute "forward-looking statements" within the meaning of The Private Securities Litigation Reform Act of 1995. These statements include, but are not limited to, statements relating to Legend Biotech's overall strategies and objectives; Legend Biotech's ability to achieve milestones under its collaboration with Janssen Biotech; Legend Biotech's strategy and plans for the development, manufacturing and commercialization of ciltacabtagene autoleucel (cilta-cel), including anticipated regulatory milestones; the preclinical and clinical development strategy for product candidates and the anticipated timing of key regulatory and clinical milestones for such product candidates; the potential benefits afforded by investigational candidates; and the opportunities represented by preclinical data. The words "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "plan," "potential," "predict," "project," "should," "target," "will," "would" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors. Legend Biotech's expectations could be affected by, among other things, uncertainties involved in the development, manufacturing and commercialization of new pharmaceutical products; unexpected or inconsistent preclinical data; unexpected clinical trial results, including as a result of additional analysis of existing clinical data or unexpected new clinical data; unexpected regulatory actions or delays, including requests for additional safety and/or efficacy data or analysis of data, or government regulation generally; unexpected delays as a result of actions undertaken, or failures to act, by our third party partners; uncertainties arising from challenges to Legend Biotech's patent or other proprietary intellectual property protection, including the uncertainties involved in the US litigation process; competition in general; government, industry, and general public pricing and other political pressures; the duration and severity of the COVID-19 pandemic and governmental and regulatory measures implemented in response to the evolving situation; as well as the other factors discussed in the "Risk Factors" section of the Company's Annual Report on Form 20-F filed with the Securities and Exchange Commission on March 31, 2022. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in this report as anticipated, believed, estimated or expected. Legend Biotech specifically disclaims any obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise. In addition, caution should be exercised when interpreting results from separate trials involving separate product candidates. There are differences in the clinical trial design, patient populations, and the product candidates themselves, and the results from the clinical trials of distinct product candidates may have no interpretative value with respect to our existing or future results. Similarly, caution should be exercised when interpreting results relating to a small number of patients or individually presented case studies.



Forward-looking Statements

The safety and efficacy of the agents and/or uses under investigation that will be discussed today have not been established. There is no guarantee that the agents will receive health authority approval or become commercially available in any country for the uses being investigated.



Agenda

Welcome	Joanne Choi, Investor Relations	10:00 a.m. – 10:05 a.m.	
Introduction	Dr. Ying Huang, CEO	10:05 a.m. – 10:15 a.m.	
Global BCMA Program	Dr. Lida Pacaud, VP, Clinical Development Steve Gavel, VP, Commercial Development, US & Europe	10:15 a.m. – 11:00 a.m.	
Coffee Break		11:00 a.m. – 11:15 a.m.	
Research & DevelopmentStrategySolid TumorsAllogeneic Programs	Dr. Guowei Fan, Global Head of Research and Early Development	11:15 a.m. – 12:15 p.m.	
Q&A		12:15 p.m. – 1:00 p.m.	
Conclusion		1:00 p.m. – 1:05 p.m.	

Introduction

Ying Huang, Ph.D. Chief Executive Officer

Our Presenters



Lida Pacaud, M.D. Vice-President, Clinical Development

A trained physician, Dr. Lida Pacaud formerly led the CART Global Clinical Program at Novartis and served as the Executive Medical Director of its Cell & Gene Unit.



Steve Gavel Vice-President, Commercial Development

Steve Gavel has spent 20 years conducting commercial and marketing in the biotechnology industry. At Celgene, Steve headed commercial development activities for the bb2121 program.



Guowei Fang, Ph.D. Senior Vice President, Research & Early Development

Dr. Guowei Fang is an accomplished scientist and pharmaceutical leader in research and development. Dr. Fang recently joined Legend from Zymeworks and Pharmacyclics.



Advancing Treatment Options for Multiple Myeloma

Lida Pacaud, M.D. Vice President of Clinical Development

Steve Gavel Vice President of Commercial Development, US and Europe

LEGEND-2: 4-year follow-up publication

Zhao et al. Journal of Hematology & Oncology (2022) 15:86 https://doi.org/10.1186/s13045-022-01301-8

Journal of Hematology & Oncology

RESEARCH

Open Access

Four-year follow-up of LCAR-B38M in relapsed or refractory multiple myeloma: a phase 1, single-arm, open-label, multicenter study in China (LEGEND-2)

Wan-Hong Zhao1[†], Bai-Yan Wang1[†], Li-Juan Chen^{2†}, Wei-Jun Fu^{3,4†}, Jie Xu⁵, Jie Liu¹, Shi-Wei Jin⁵, Yin-Xia Chen¹, Xing-Mei Cao¹, Yun Yang¹, Yi-Lin Zhang¹, Fang-Xia Wang¹, Peng-Yu Zhang¹, Bo Lei¹, Liu-Fang Gu¹, Jian-Li Wang¹, Hui Zhang¹, Ju Bai¹, Yan Xu¹, Han Zhu², Juan Du³, Hua Jiang³, Xiao-Hu Fan⁶, Jian-Yong Li², Jian Hou⁷, Zhu Chen⁵, Wang-Gang Zhang¹, Jian-Qing Mi^{5*}, Sai-Juan Chen^{5*} and Ai-Li He^{1,0*}

Abstract

Background: LCAR-B38M is a chimeric antigen receptor T cell product with two binding domains targeting B cell maturation antigen. Our previous reports showed a remarkable efficacy of LCAR-B38M in patients with relapsed/ refractory multiple myeloma (RRMM) at a median follow-up of 2 years. Here, we report long-term safety and efficacy data from a median follow-up of 4 years.

Methods: LEGEND-2 was a phase 1, single-arm, open-label study conducted in four registered sites in China. Seventy-four participants with RRMM received LCAR-B38M treatment. Lymphodepletion was performed using cyclophosphamide or cyclophosphamide plus fludarabine. LCAR-B38M, at a median dose of 0.513 x 10⁴ cells/kg, was intravenously administered either in three split infusions or in a single infusion. The primary objective was the safety of LCAR-B38M, and the secondary objective was efficacy.

Results: As of May 25, 2021, the median follow-up was 47.8 months. All patients experienced ≥ 1 adverse events (AEs). Grade > 3 AEs were observed in 45/74 (60.8%) patients. Cytokine release syndrome (CRS) occurred in 68/74 (91.9%) cases; 7 (9.5%) had grade ≥ 3 CRS. One patient experienced grade 1 central nervous system toxicity. The overall response rate was 87.8%. Fifty-four out of 74 (73.0%) patients achieved complete response. The median progression-free survival was 18.0 months, and the median overall survival for all patients was not reached. The median duration of response was 23.3 months. Four patients experienced viral infection more than 6 months post-infusion

"Wan-Hong Zhao, Bai-Yan Wang, Li-Juan Chen and Wei-Jun Fu contributed equally to this work

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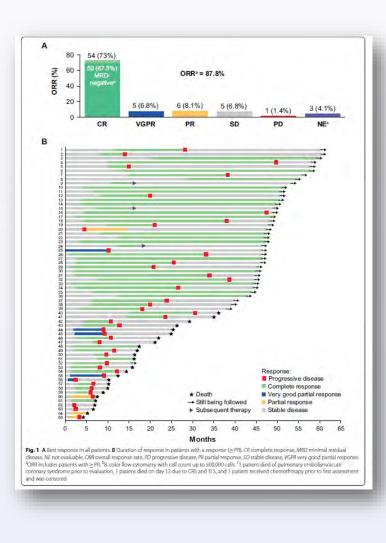


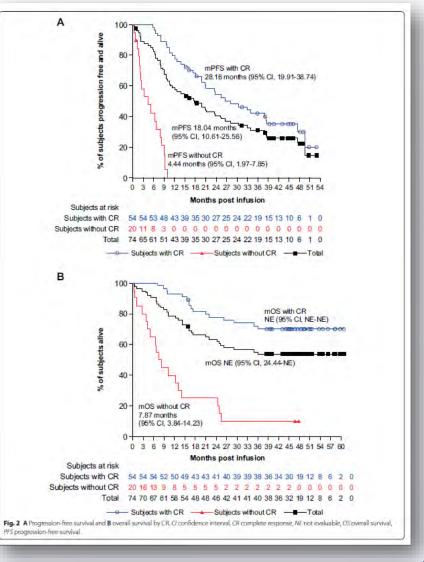
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Longest follow up of CAR-T therapy in **RRMM** to date

Zhao et al, Journal of Hematology & Oncology, 2022;15(86).

LEGEND-2: 4-year follow-up efficacy







Global Clinical Development Plan

Ciltacabtagene autoleucel (cilta-cel)



CARTITUDE-2

Phase II, Multi-cohort study in various MM settings (ASCO, IMS 2022)

CARTITUDE-5

Phase III, Newly diagnosed, transplant not intended/eligible



CARTITUDE-1

2 years post last patient in (~28-month follow up)

2022 ASCO, EHA, JCO

Journal of Clinical Oncology[®]

Ciltacabtagene Autoleucel, an Anti-B-cell Maturation Antigen Chimeric Antigen Receptor T-Cell Therapy, for Relapsed/Refractory Multiple Myeloma: CARTITUDE-1 2-Year Follow-Up

Thomas Martin, MD¹; Saad Z, Usmani, MD²; Jesus G, Berdeja, MD²; Mounzer Agha, MD⁴; Adam O, Cohen, MD⁵; Parameswaran Hari, MD⁶; David Avigan, MD²; Abhintay Deol, MD⁵; Myo Htur, MD⁵; Alexander Lesokhin, MD⁴; Nikhil C. Munshi, MD³⁰³; Elizabeth O'Donnell, MD¹⁵; A. Keith Stewari, MBChB¹³; Jordan M. Schecter, MD¹⁴; Jenna D. Goldberg, MD¹⁴; Carolyn C. Jackson, MD, MPH¹⁴; Tzu-Min Yeh, MS¹⁴; Arnob Banerjee, MD18; Alicia Alired, PhD15; Enrique Zudaire, PhD18; William Denaedt, MSc16; Yunsi Olyulager, MSc16; Changwe: Zhou, PhD17; Lida Pacaud, MD17; Deepu Madouri, MD14; Andrzej Jakabowiak, MD14; Yr Ein, MD, PhD19; and Sundar Jagannath, MD²⁰

PURPOSE CARTITUDE-1. a phase Ib/II study evaluating the safety and efficacy of ciltacabtagene autoleucel (cilta-cel) in heavily pretreated patients with relapsed/refractory multiple myeloma, yielded early, deep, and durable responses at 12 months. Here, we present updated results 2 years after last patient in (median follow-up [MFU] approximately 28 months), including analyses of high-risk patient subgroups

METHODS Eligible patients had relapsed/refractory multiple myeloma, had received ≥ 3 prior lines of therapy or were double refractory to a proteasome inhibitor and immunomodulatory drug and had received prior proteasome inhibitor, immunomodulatory drug, and anti-CD38 therapy. Patients received a single cilta-cel infusion 5-7 days after lymphodepletion. Responses were assessed by an independent review committee.

RESULTS At a MELL of 27.7 months (N = 97) the overall response rate was 97.9% (95% CL 92.7 to 99.7). 82.5% (95% CI, 73.4 to 89.4) of patients achieved a stringent complete response. Median duration of response was not estimable. Median progression-free survival (PFS) and overall survival (OS) were not reached; 27-month PFS and OS rates were 54.9% (95% CI, 44.0 to 64.6) and 70.4% (95% CI, 60.1 to 78.6), respectively. Overall response rates were high across all subgroups (95.1%-100%). Duration of response, PFS, and/or OS were shorter in high-risk cytogenetic, International Staging System stage III, high tumor burden, and presence of plasmacytomas. The safety profile was manageable with no new cilta-cel-related cytokine release syndrome and one new case of Parkinsonism (day 914 after cilta-cel) since the last report

CONCLUSION At approximately 28-month MEU, patients treated with citta-cel maintained deep and durable responses, observed in both standard and high-risk subgroups. The risk/benefit profile of cilta-cel remained favorable with longer follow-up.

J Clin Oncol 00. © 2022 by American Society of Clinical Oncology

INTRODUCTION

ASSOCIATED.

CONTENT

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CONTEXT

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> There is an unmet medical need to extend survival and The standard of care (SOC) for relapsed multiple my- delay progression in heavily pretreated patients with eloma (MM) involves a multidrug regimen that may refractory MM. Two novel agents with different include a proteasome inhibitor (PI), an immunomod- mechanisms of action, selinexor⁶ and belantamab ulatory drug (IMiD), a monoclonal antibody, and a mafodotin,⁶ were recently approved for patients with corticosteroid.¹ However, patients may eventually be-relapsed or refractory MM (RRMM) who received ≥ 4 come resistant to these treatments.²³ Lower depth and prior LOT but had overall response rates (ORRs) of only durability of response have been reported with each 21% to 34% in clinical trials.79 successive line of therapy (LOT),⁴ and patients who are Personalized immunotherapy using a chimeric antigen refractory to multiple drug classes have subgotimal receptor (CAR) involves genetically modifying a pa-

> outcomes. The median overall survival (OS) with SOC is tient's own T cells so that they can identify and kill 11.2 months for patients who are refractory to < 3 prior malignant plasma cells.¹⁰ The first B-cell maturation LOT and 5.6 months for penta-refractory patients (re- antigen (BCMA)-directed CAR-T cell immunotherapy, fractory to anti-CD38 antibody, two PIs, and two IMiDs).2 idecabtagene vicleucel (ide-cel), was approved in the

> > Journal of Clinical Oncology

At a median follow-up of 28 months, patients treated with cilta-cel maintained deep and durable responses, with median PFS and OS not yet reached, and a manageable safety profile

- The ORR to cilta-cel remained at 98%, with 83% of patients achieving sCR with longer follow-up
- The safety profile was manageable with a favorable risk-benefit profile and one new case of parkinsonism (day 914 after cilta-cel) since the last report
- Cilta-cel is currently under further investigation in patients with MM in earlier-line settings in CARTITUDE-2, CARTITUDE-4, CARTITUDE-5, EMagine/CARTITUDE-6¹



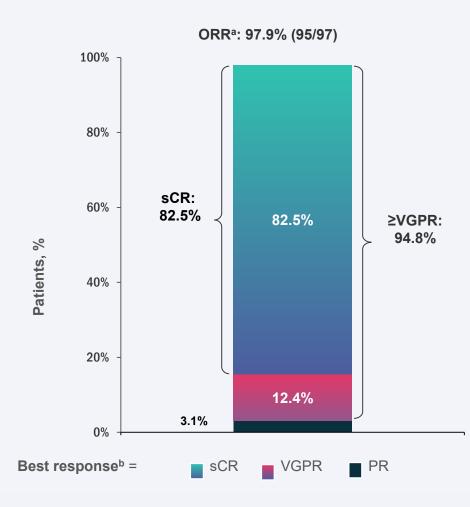
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Martin et al. J Clin Oncol. 2022. doi: 10.1200/JCO.22.00842; Usmani et al. ASCO Annual Meeting; June 3-7, 2022; Chicago, II & Virtual; Abstract #8028 12 1. ClinicalTrials.gov: CARTITUDE-2 (NCT04133636); CARTITUDE-4 (NCT04181827); CARTITUDE-5 (NCT04923893); EMagine/CARTITUDE-6 EMN28 (NCT05257083).

CARTITUDE-1: Median PFS and OS not reached at median follow up of 27.7 months



Responses deepened over time from the 12-month follow-up

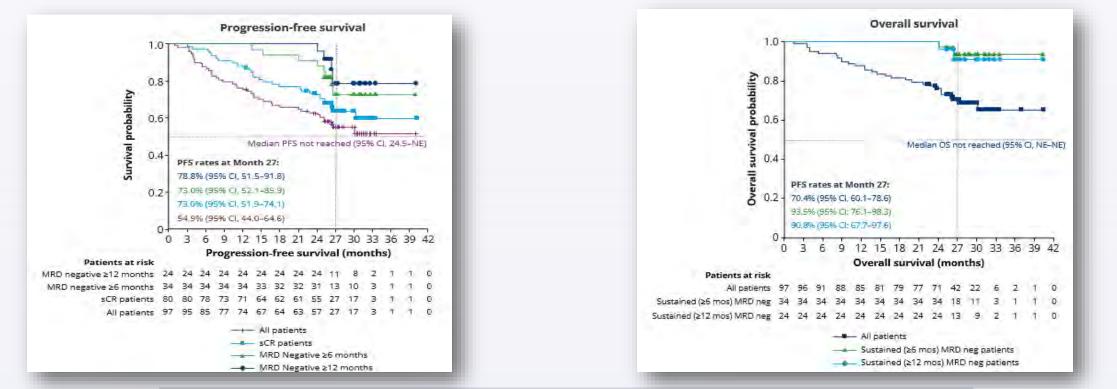
- Most patients in high-risk subgroups responded (ORR range 95.1–100%), including those with high-risk cytogenetics, high tumor burden, or baseline plasmacytomas
 - DOR, PFS, and/or OS were shorter in subgroups with high-risk cytogenetics, ISS stage III, high tumor burden, or plasmacytoma
- High ORR was achieved despite a lack of detectable CAR-T cell persistence over time

Data cut-off: January 11, 2022; aORR assessed by independent review committee. bNo patient had CR or stable disease. CAR, chimeric antigen receptor; DOR, duration of response; ISS, International Staging System; MRD, minimal residual disease; NRD, not estimable; ORR, overall response rate; OS, overall survival; PR, partial response; PFS, progression-free survival; sCR, stringent CR; VGPR, very good partial response



Usmani et al. ASCO Annual Meeting; June 3-7, 2022; Chicago, II & Virtual; Abstract #8028; Martin et al. J Clin Oncol. 2022. doi: 10.1200/JCO.22.00842

CARTITUDE-1: Median PFS and OS not reached at median follow up of 27.7 months



- Median PFS and OS were not reached with median follow up of 27.7 months
- · Patients who achieved sCR had improved PFS compared with the overall population
- Of 61 patients evaluable for MRD, 91.8% were MRD-negative at (10⁻⁵)
- Patients with sustained MRD negativity (10⁻⁵) for ≥6 and ≥12 months had improved PFS and OS compared with the overall population

Data cut-off: January 11, 2022; MRD, minimal residual disease; OS, overall survival; PFS, progression-free survival; sCR, stringent CR Usmani et al. ASCO Annual Meeting; June 3-7, 2022; Chicago, II & Virtual; Abstract #8028; Martin et al. J Clin Oncol. 2022. doi: 10.1200/JCO.22.00842



CARTITUDE-1: Safety (median follow up of 27.7 months)

The safety profile was manageable with no new treatment-related deaths

- A total of 20 SPMs were reported in 16 patients, none were classified as related to cilta-cel.
 - 9 patients with hematologic malignancies (1 low-grade B-cell lymphoma, 6 MDS, 3 fatal AML*)
 - 1 patient each with malignant melanoma, adenocarcinoma, myxofibrosarcoma, and prostate cancer
 - 6 non-melanoma skin cancers

This patient population was heavily pretreated, including IMiDs (100%), alkylating agents (melphalan 83%, cyclophosphamide 65%) and/or autologous stem-cell transplantation, all of which are associated with increased risk of SPM.

- One new case of signs and symptoms of parkinsonism on Day 914
 - On day 914, patient experienced cognitive slowing, gait instability, and neuropathy (all grade 1), and tremor (grade 3); he is currently stable and functioning and remains in sCR
- Following implementation of patient management strategies, the incidence of movement and neurocognitive disorders (parkinsonism) has decreased from 6% in CARTITUDE-1 to <0.5% across the CARTITUDE program



CARTITUDE-1

RRMM: PI, IMiD and anti-CD38 exposed

- 2022 CARVYKTI approvals, indications and market opportunity
 - US Approval: February 28
 - Indication: 5L+ Prior lines of therapy
 - Patient opportunity: ~12,000
 - EU Conditional Approval: May 25
 - Indication: 4L+ Prior lines of therapy
 - Patient opportunity: ~6,000
 - Japan Approval: Approved September 26
 - Indication: 4L+ Prior lines of therapy
 - Patient opportunity: ~4,000

Opportunity Assessment

^{*}Estimate includes patients eligible for lead indication; Lead indication label

US label aligns with FDA approved label 2/28/2022

EU label indicates patients who have received at least three prior therapies, including an immunomodulatory agent, a proteasome inhibitor and an anti-CD38 antibody and have demonstrated disease progression on the last therapy JP label assumption aligns with the EU label

Source: Kantar Health, Precision-IQ, SHS/Komodo Claims

CARTITUDE-1

RRMM: PI, IMiD and anti-CD38 exposed

- CARVYKTI go to market model
 - US
 - 50/50 co-commercialize with Janssen
 - Legend deployment is largely hospital based
 - Implementing phased approach
 - Rest of World
 - Janssen leads commercial activities outside of US, with exception of China
- Product Positioning
 - Clinical
 - Operationally
 - Access

*Estimate includes patients eligible for lead indication; Lead indication label

Opportunity Assessment

US label aligns with FDA approved label 2/28/2022

EU label indicates patients who have received at least three prior therapies, including an immunomodulatory agent, a proteasome inhibitor and an

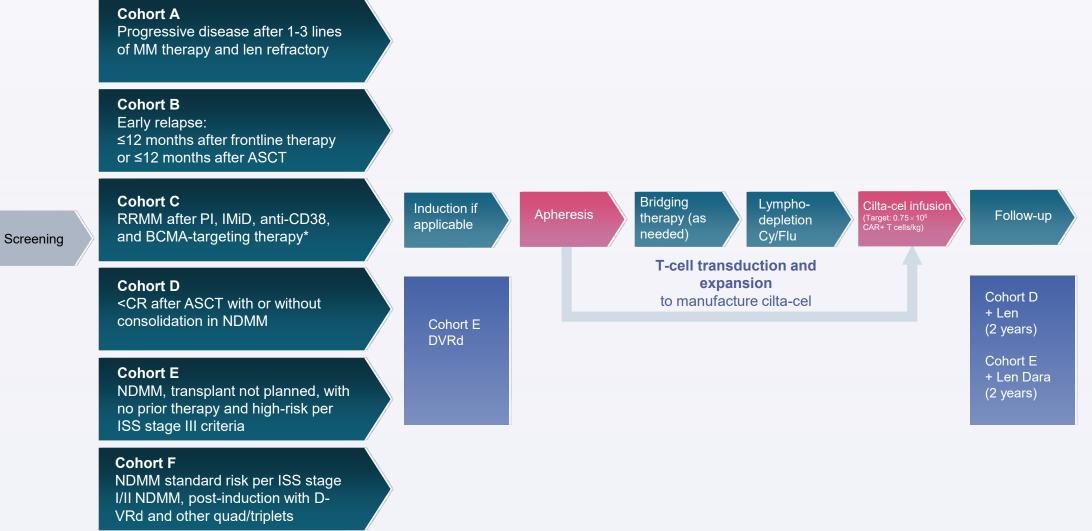
anti-CD38 antibody and have demonstrated disease progression on the last therapy

JP label assumption aligns with the EU label Source: Kantar Health, Precision-IQ, SHS/Komodo Claims

CARTITUDE-2 Cohort C: Progressive MM after treatment with prior BCMAtargeting therapy

2022 IMS and Blood

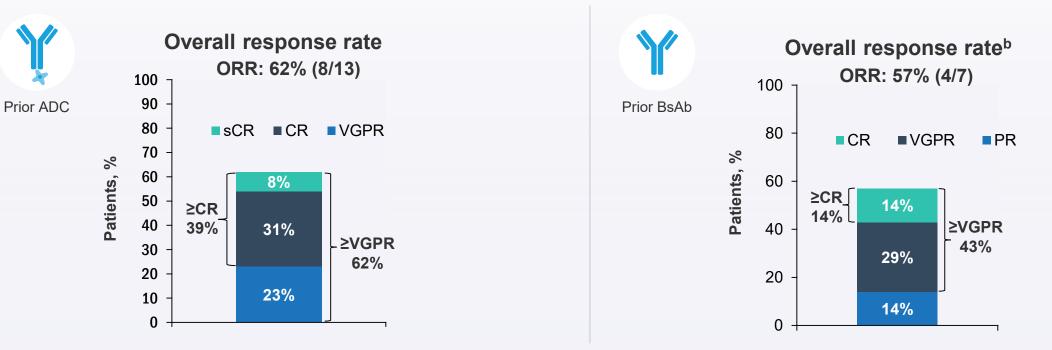
CARTITUDE-2: Phase II Multi-Cohort Study in Various Multiple Myeloma Settings ($n \approx 160$)





19 DVRd, Darzalex, Velcade, Revlimid, dexamethasone; IMiD, immunomodulatory drugs; NDMM, newly diagnosed multiple myeloma; RRMM, relapse refractory multiple myeloma; ASCT, autologous stem cell transplant; ISS, International Staging System *Excluding prior BCMA-targeting cellular therapy

CARTITUDE-2 Cohort C: Efficacy Response



- Median follow-up of 11.3 months
- 80% of patients were refractory to prior anti BCMA therapy
- For patients who received prior ADC therapy (n=13), ORR was 62%
- For patients who received prior BsAb therapy (n=7), ORR was 57%
- Median time to first response was ~ 1 month

Data cutoff: October 8, 2021; ^aEvaluable samples are those that pass calibration and QC and include sufficient cells for evaluation at 10⁻⁵ threshold. ^B2 patients died before confirmed response ADC, antibody-drug conjugate; CR, complete response; MRD, minimal residual disease; ORR, overall response rate; sCR, stringent complete response; VGPR, very good partial response.



Cohen et al. 19th IMS Annual Meeting; Aug 25-27, 2022; Los Angeles, CA; Cohen AD, et al. Blood 2022.

CARTITUDE-2 Cohort C: Safety

- Overall, CRS occurred in 12 patients
 - Median time to onset was 7.5 days (range, 2–10)
 - Median duration was 7 days (range, 2–9)
 - All patients who had CRS received ≥1 treatment for it
- 4 patients had ICANS
 - Median time to onset was 9.0 days (range, 4–13)
 - Median duration was 7.0 days (range, 4–20)
 - ICANS resolved in 3 patients^a
 - ICANS in cohort C overall (20%) was comparable to that in CARTITUDE-1¹ (17%)
- No cases of MNTs/parkinsonism were observed in this cohort
- 7 deaths occurred in cohort C (1 due to treatment related AE, 3 due to unrelated AE, 3 due to progressive disease)
 - Patients were more heavily pre-treated than those in CARTITUDE-1, but safety profile remained consistent
 - Cilta-cel induced favorable benefit/risk in heavily pre-treated (~80% prior BCMA refractory) MM patients with prior anti-BCMA exposure

¹ Berdeja J, et al. *Lancet* 2021; 398:314-24.

AE, adverse event; ADC, antibody-drug conjugate; CRS, cytokine release syndrome; ICANS, immune effector cell-associated syndrome; MNT, movement and neurocognitive treatment-emergent adverse event.

¹ Cohen et al. 19th IMS Annual Meeting; Aug 25-27, 2022; Los Angeles, CA; Cohen AD, et al. Blood 2022.



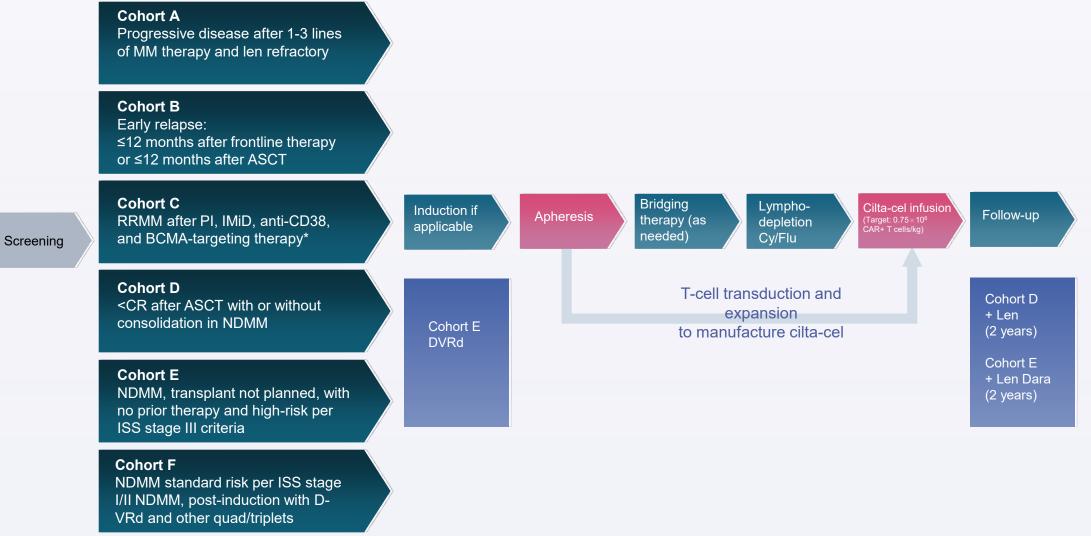
^a For the case that did not resolve, the patient had several other severe conditions, including *C difficile* colitis, kidney failure, respiratory failure, and hemophagocytic lymphohistiocytosis. This patient died on study day 17 from *C difficile* colitis.

RRMM after 1–3 prior lines of therapy CARTITUDE-2 Cohort A: Progressive MM after 1–3 prior lines of therapy and lenalidomide refractory

CARTITUDE-2 Cohort B: Early relapse MM within 12 months after initial therapy

CARTITUDE-4: Phase 3 ongoing study

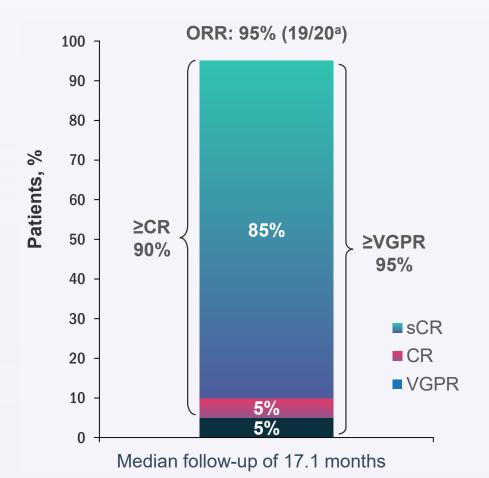
CARTITUDE-2: Phase II Multi-Cohort Study in Various Multiple Myeloma Settings (n \approx 160)



DVRd, Darzalex, Velcade, Revlimid, dexamethasone; IMiD, immunomodulatory drugs; NDMM, newly diagnosed multiple myeloma; RRMM, relapse refractory multiple myeloma; ASCT, autologous stem cell transplant; ISS, International Staging System; *Excluding prior BCMA-targeting cellular therapy

CARTITUDE-2 Cohort A (N=20)

Progressive MM After 1–3 Prior Lines of Therapy and Lenalidomide Refractory



Responses to cilta-cel deepened over time

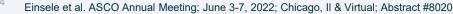
- Median DOR was not reached
- Median time to first response:1.0 month (range, 0.7–3.3)
- Median time to best response: 2.6 months (range, 0.9–13.6)
- 15-month PFS rate was 70% (95% CI, 45.1–85.3)
- All 16 patients with evaluable samples were MRD negative at 10⁻⁵

Safety:

- Safety was manageable including the 1 patient treated in outpatient setting
- CRS: All grade: 95%; ≥ Grade 3: 10%
- Neurotoxicity: All grade: 30%; Grade 3/4: 5%
 - No cases of MNTs/signs and symptoms of parkinsonism
- 4 deaths occurred: 2 due to PD (days 426 and 550), 1 due to sepsis (not treatment related, day 394), 1 death due to COVID-19 (treatment related, day 100)

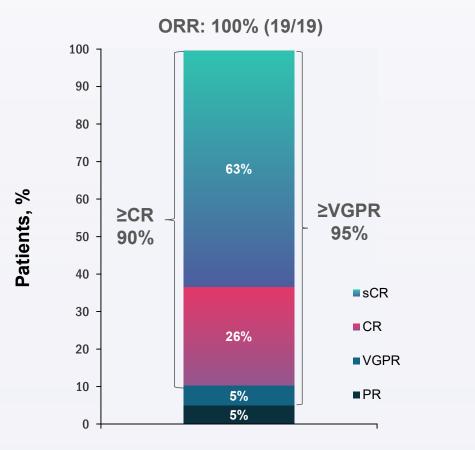
January 2022 data cutoff; a1 patient demonstrated a minimal response.

CR, complete response; MRD, minimal residual disease; ORR, overall response rate; PD, progressive disease; PFS, progression-free survival; PR, partial response; sCR, stringent complete response; VGPR, very good partial response



CARTITUDE-2 Cohort B (N=19)

Early relapse within 12 months after initial therapy including PI and IMiD



Median follow-up of 13.4 months

Responses to cilta-cel deepened over time

- Median DOR was not reached
- Median time to first response:1.0 month (range, 0.9-9.7)
- Median time to best response: 5.1 months (range, 0.9–11.8)
- 12-month PFS rate was 89.5% (95% CI, 64.1–97.3)
- Of the 15 patients with MRD evaluable samples at the 10⁻⁵ threshold, 93% were MRD negative

Safety:

- Safety was manageable including the 1 patient treated in an outpatient setting
- CRS: All grade: 84%; Grade 3/4: 5%
- Neurotoxicity: All grade: 26%; Grade 3/4: 5%
 - 1 patient with MNT/signs and symptoms of parkinsonism
- 1 death due to progressive disease (day 158)

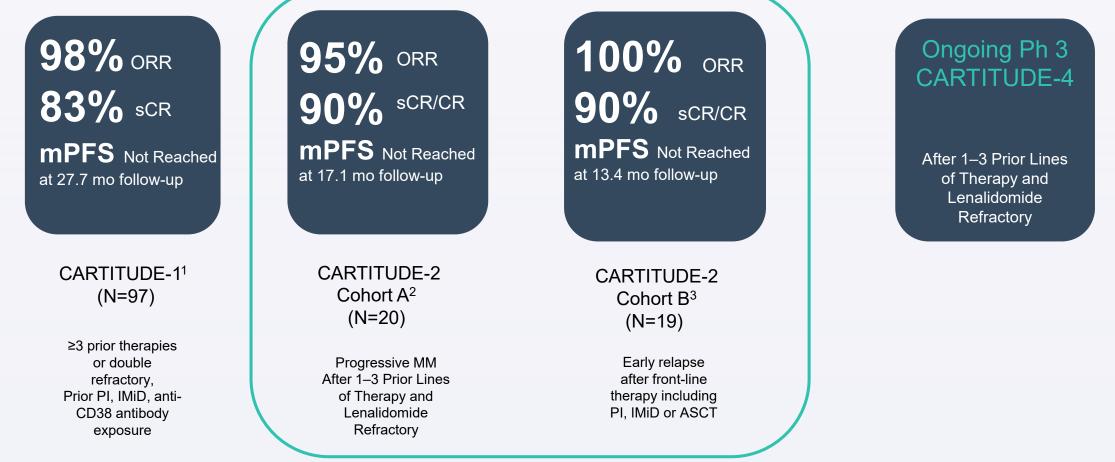


January 2022 data cut-off.

AE, adverse event; CAR, chimeric antigen receptor; CR, complete response; CRS, cytokine release syndrome; ICANS, immune effector cell–associated neurotoxicity; MNT, movement and neurocognitive treatment-related adverse event; MRD, minimal residual disease; ORR, overall response rate; PFS, progression-free survival; PR, partial response; sCR, stringent complete response; VGPR, very good partial response 25 Van de Donk et al. ASCO Annual Meeting; June 3-7, 2022; Chicago, II & Virtual; Abstract #8029

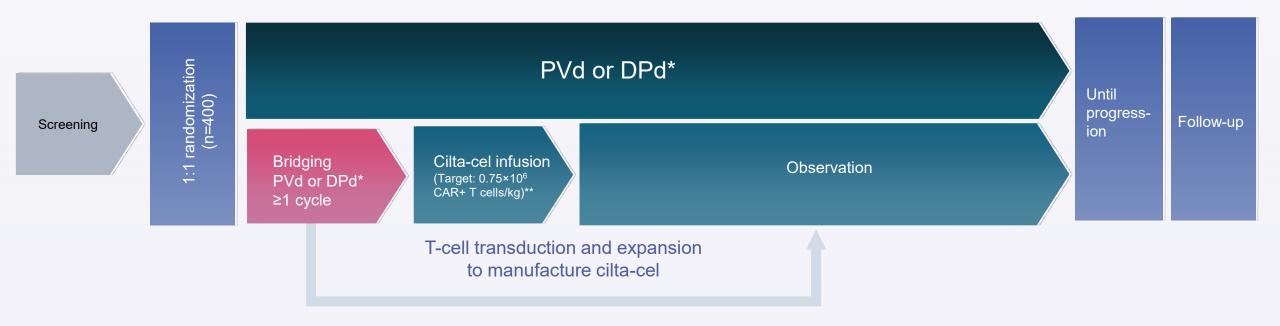
Summary: Relapsed or refractory MM datasets

Consistent efficacy results across 3 datasets with a manageable safety profile





CARTITUDE-4: Phase III Study in 1-3 prior line RRMM (NCT04181827)



KEY INCLUSION CRITERIA

- 1–3 prior lines of therapy (PI+IMiD or PI+IMiD+CD38 exposed), and lenalidomide-refractory
- No Prior CAR-T or BCMA-targeting therapy

STATUS

- Fully enrolled
- ~100 study locations, in 17 countries in North America, Europe and Asia.



Myeloma RRMM Triplet Efficacy Outcomes--current SoC

Regimen	% Len Refractory	Median PFS (Months)	Median PFS for Len Refractory Patients (Months)	Median Lines of Therapy (Publication)	Study Name and Reference
PVd arm (n=281)	71% (PVd)	11.2	9.5	2	OPTIMISMM; Richardson 2019
DPd (n=103)	89%	8.8	8.8	4	EQUULEUS; Chari 2017
DPd (n=151)	80%	12.4	10	2	APOLLO; Dimopoulos 2022
DVd arm (n=251)	17.9% (DVd)	16.7	9.3	2	CASTOR; Spencer 2018

DVd: Darzalex, Velcade, dexamethasone PVd : Pomalyst, Velcade, dexamethasone DPd: Darzalex,, Pomalyst, dexamethasone

CARTITUDE-4

RRMM: 1-3 PL (PI+IMiD exposed + lenalidomide refractory)

First Phase 3 Global BCMA CAR-T cell therapy Clinical Trial in 1-3 prior line setting

Cilta-cel potential indication assumption

- 1-3 prior lines of therapy
 - Does not require prior daratumumab exposure
 - ~80% of patients in 2L setting have <u>not</u> been daratumumab exposed
 - *Eligible patient opportunity
 - US: ~36,000
 - EU: ~16,000
 - JP: ~5,000
 - Timing: TBD

Competitive assumption

- 2-4 Prior lines of therapy
 - Requires prior daratumumab exposure
 - Timing: 2H23

Opportunity Assessment

Source: Kantar Health, Precision-IQ, SHS/Komodo Claims



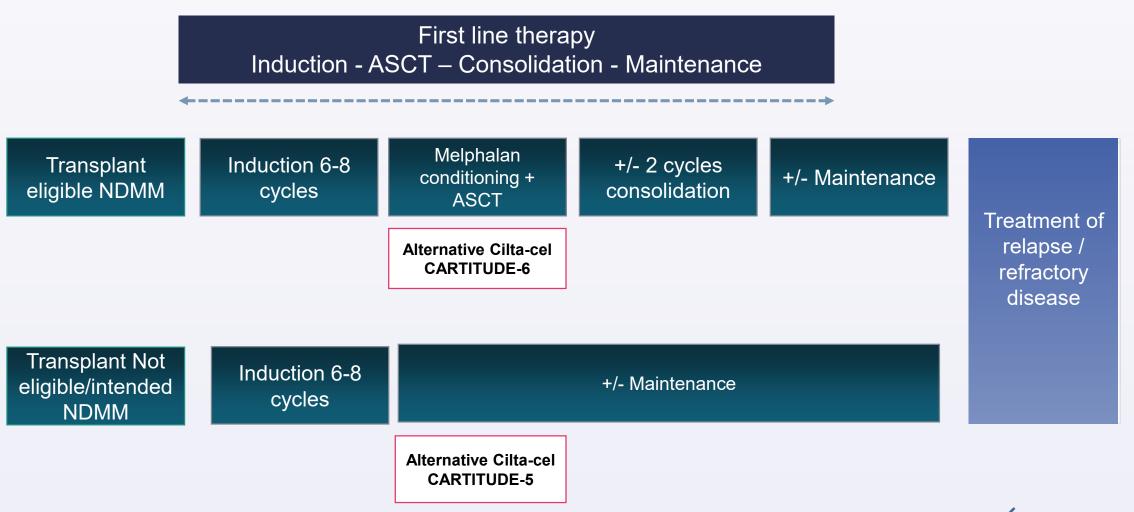
Newly Diagnosed MM

CARTITUDE-5: Ph 3, Newly Diagnosed MM, not intended/eligible for transplant

CARTITUDE-6: Ph 3, Newly diagnosed, transplant eligible

Newly Diagnosed MM (NDMM) Treatment Schema

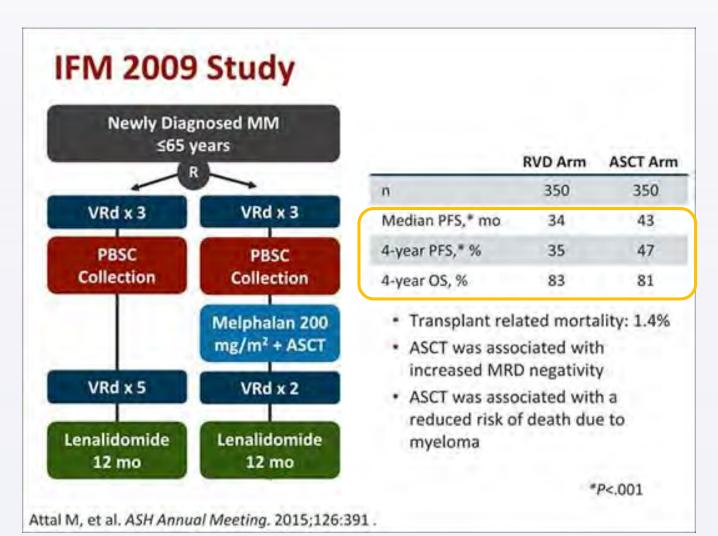
Potential role of cilta-cel





ASCT – Autologous Stem Cell Transplant

Similar OS Outcome for Transplant: 1L or 2L



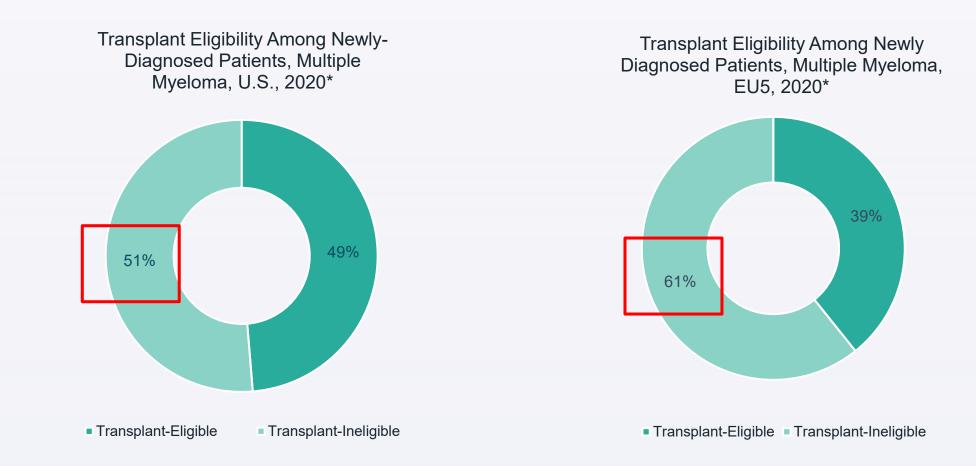
SWOG 0777 study (Durie BG, et al *Lancet.* 2017) **:** suggested that VRD alone has comparable PFS/OS to HDT/ASCT.

IFM2009 randomized study (Attal M, et al *N. Engl. J. Med.* 2017) :

Showed no overall survival (OS) benefit for participants who were randomized to VRd + early ASCT compared to participants who received VRd + deferred ASCT until after first relapse.



~51% (US) and ~61% (EU) of NDMM Patients are Ineligible for Transplant





Source: CancerMPact Treatment Architecture, US and EU5, Multiple Myeloma; by Kantar, published 11/20

~38% (US) and ~32% (EU) of NDMM patients are eligible for SCT, but do not receive it initially

Initial Treatment Modality Initial Treatment Modality **Utilization for Transplant Eligible** Patients, Multiple Myeloma, U.S., 2020* EU5, 2020* Other 3% 6% Induction Systemic therapy, RT 29% followed by SCT Induction Systemic therapy followed by SCT 59% 6% 16% RT, Systemic therapy Systemic therapy

Utilization for Transplant Eligible Patients, Multiple Myeloma,

> No therapy / Observation

- Radiation (RT)
- RT, Systemic therapy
- Induction systemic therapy, RT followed by SCT
- Systemic therapy

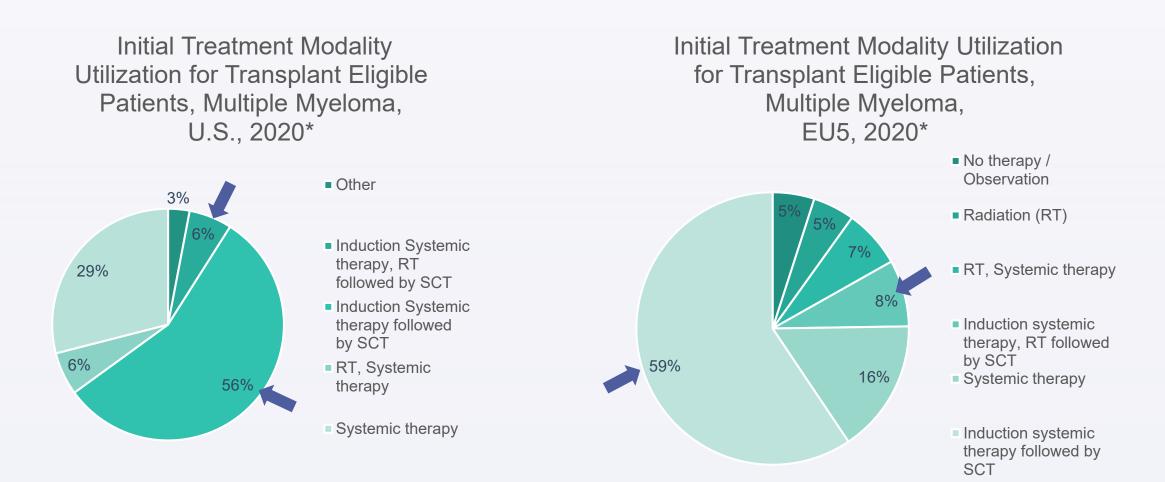
Source: CancerMPact Treatment Architecture, US and EU5, Multiple Myeloma; by Kantar, published 11/20



Note: "Other" category includes various therapies used in <5% of patients each.

*QM8 (transplant-eligible n=72, transplant-ineligible n=72): What percent of newly-diagnosed multiple myeloma patients are treated with each of the modalities listed below?

~62% (US) and ~68% (EU) of NDMM patients eligible for SCT will receive it





Source: CancerMPact Treatment Architecture, US and EU5, Multiple Myeloma; by Kantar, published 11/20

Note: "Other" category includes various therapies used in <5% of patients each.

35 *QM8 (transplant-eligible n=72, transplant-ineligible n=72): What percent of newly-diagnosed multiple myeloma patients are treated with each of the modalities listed below?

CARTITUDE-5: Phase 3 Study in newly diagnosed MM

Not intended for transplant (NCT04923893)



KEY INCLUSION CRITERIA

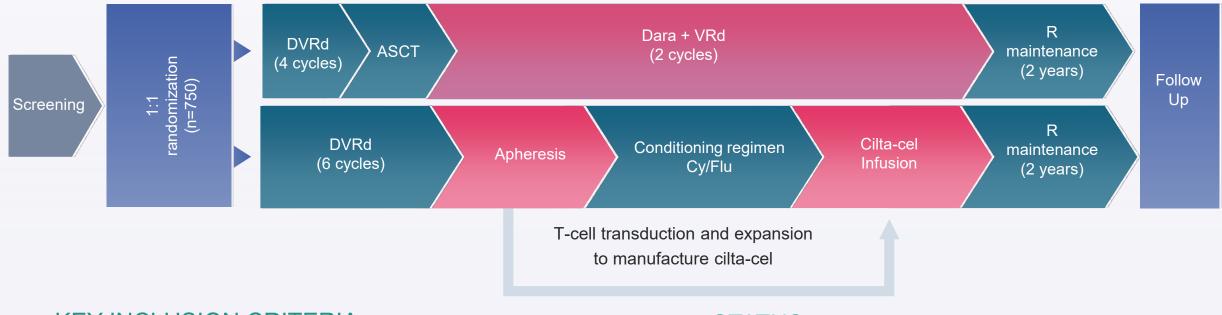
- Newly diagnosed multiple myeloma
- Not considered candidate for high-dose chemotherapy with ASCT due to advanced age or presence of comorbid condition(s) or defer high-dose chemotherapy with ASCT as initial treatment
- Frailty index of ≥2 according to Myeloma Geriatric Assessment
- Prior CAR-T or BCMA-targeting therapy
- Any prior therapy for multiple myeloma or smoldering myeloma

STATUS

- Study start date: August 2021
- ~118 study locations



CARTITUDE-6: Phase III Study in newly diagnosed MM who are transplant eligible (NCT05257083)



KEY INCLUSION CRITERIA

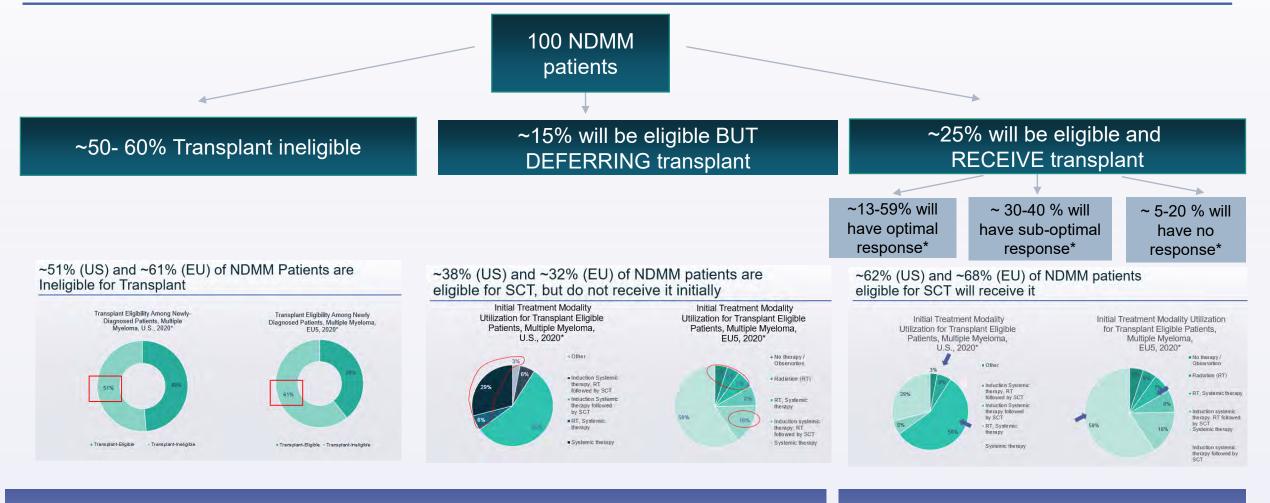
- Newly diagnosed multiple myeloma
- Intended for ASCT
- No Prior CAR-T therapy (any target)
- No Prior BCMA directed therapy or prior therapy for MM or SMM

STATUS

- Not yet recruiting
- Collaborative study with European Myeloma Network(EMN)
- Conducted worldwide



Current Use of ASCT and Potential Role of CART in NDMM



Targeted by CARTITUDE-6



Targeted by CARTITUDE-5

CARTITUDE-5

Frontline: Transplant not intended (TNI)*

Phase 3 Global BCMA CAR-T Cell Therapy Clinical Trial in Frontline Setting

Commercial Assumptions/Implications

- CARVKTI[™] potential indication assumption
 - 64,000 newly diagnosed patients across US/EU/Japan
 - *Transplant not intended eligible patient populations
 - o 50% US: ∼17,000
 - o 40% EU: ∼9,500
 - o 45% Japan: ~3,000
 - If approved, indication may represent a significant downstream cost avoidance opportunity

Opportunity Assessment

^{*} Transplant not intended (TNI) = clinically transplant ineligible + clinically transplant eligible but deferred Source: Kantar Health, Precision-IQ, SHS/Komodo Claims

CARTITUDE-6

Frontline: Transplant Eligible

First Global Phase 3 clinical study comparing a BCMA CAR-T therapy to ASCT in newly diagnosed multiple myeloma

Commercial Assumptions/Implications

- Potential for early, durable responses in a frontline setting may provide significant downstream cost avoidance opportunities
- CARVYKTI potential indication assumption
 - ~64,000 newly diagnosed patients across US/EU/Japan
 - Transplant Eligible Populations
 - o US: ~10,000
 - o EU: ∼8,500
 - o Japan: ~1,000

Competitive Assumption

- No current Ph3 registrational studies on CT.gov for this patient population investigating a BCMA CAR-T versus ASCT

Opportunity Assessment

Source: Kantar Health, Precision-IQ, SHS/Komodo Claims



Coffee Break

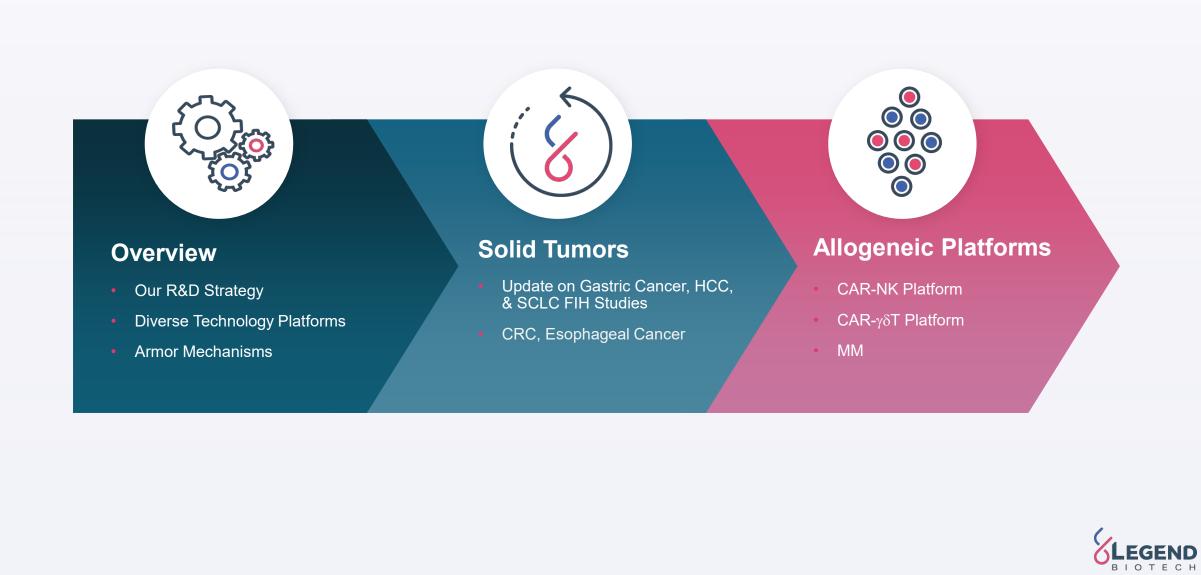
The presentation will resume in 15 minutes



In Fierce Pursuit of Novel Therapies

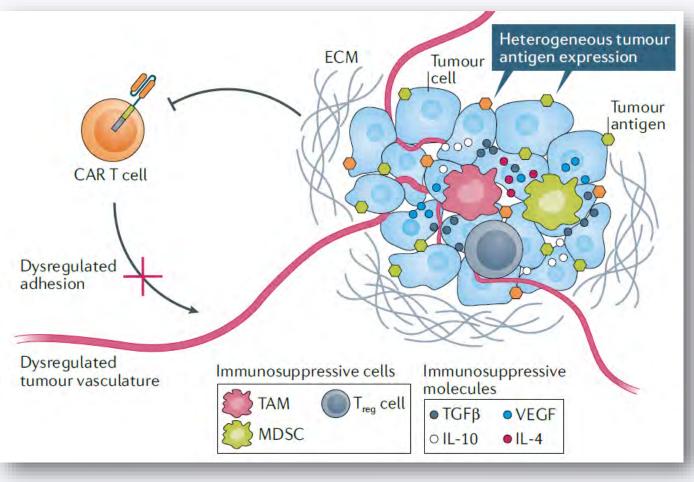
Guowei Fang, Ph.D. Senior Vice President, Research and Early Development

R&D Outline



Next Frontier in Cell Therapy: how to realize its full potential

Despite tremendous progress, challenge & opportunity remain



On Tumors

- Antigen heterogeneity & downregulation
- Immunosuppressive TME & circulating factors
- Tumor load and disease organs

On Adoptive Cell Therapy

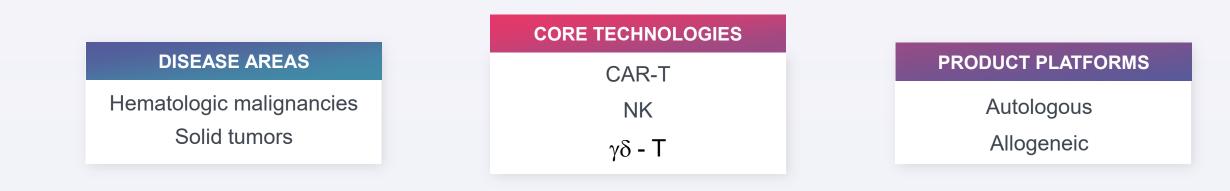
- Insufficient expansion & persistence
- Trafficking & infiltration
- Treatment related toxicity
 - o On-target/off-tumor
 - o CRS, ICANS, ITP/MAS/HLH
- GvHD, HvG for allogeneic cell therapy
- Complex manufacture with high cost



(Andrew J. Hou et al 2021)

Our R&D Strategy

- Invest in research to understand diseases and immune biology, to develop armors tailored to immune/tumor mechanisms, and to address GvHD & HvG
- Establish differentiated proprietary allogeneic platforms in CAR $\alpha\beta$ T, NK and $\gamma\delta$ T
- Develop allogeneic products for blood cancers (MM, AML, and/or NHL)
- Develop autologous and/or allogeneic products specifically addressing TMEs in solid tumors
- Support IIT studies to accelerate clinical POC for new platforms and products





Our Approaches

 Abs Screening & Engineering High-throughput sdAbs screening High specificity & affinity Multi-specific CAR platform 	Leverage IInnovative	 Innovative CAR Enhancing Strategies Leverage learnings from cilta-cel Innovative CAR modalities Enhanced immune synapse 		 Patient-Driven Clinical Strategy Differentiated clinical strategy Robust translational medicine support Fast route to clinical POC via IIT studie 	
	Complementary Suite of Technologies				
Unique binders	TME-driven armor	Optimized CAR	Smart manufacture	Clinical strategy	
 Strategy Enhanced immune cell expansion and persistence Improve immune cell trafficking and infiltration Overcome TME suppression 					
Diverse Armor MOAs	under Development	Div	erse Allogeneic Pla	ttormo	

Diverse Armor MOAS under Development

- Cytokines
 - Membrane anchored, mutations, intracellular trapped 0
- TME specific armors
 - TME factor trappers, switch receptors
- Innate immune armors
- Intracellular modulators

Diverse Allogeneic Platforms

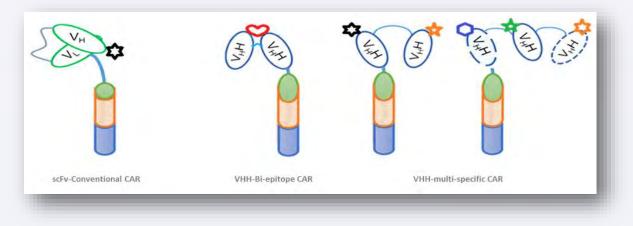
- Non-gene editing universal CAR-T to address GvHD
- Diverse approach to manage HvG
- Differentiated and proprietary CAR $\alpha\beta$ T, NK and $\gamma\delta$ T

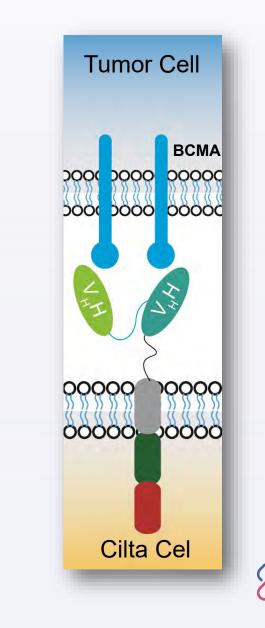


Legend VHH-Based Multi-Specific CAR Platform

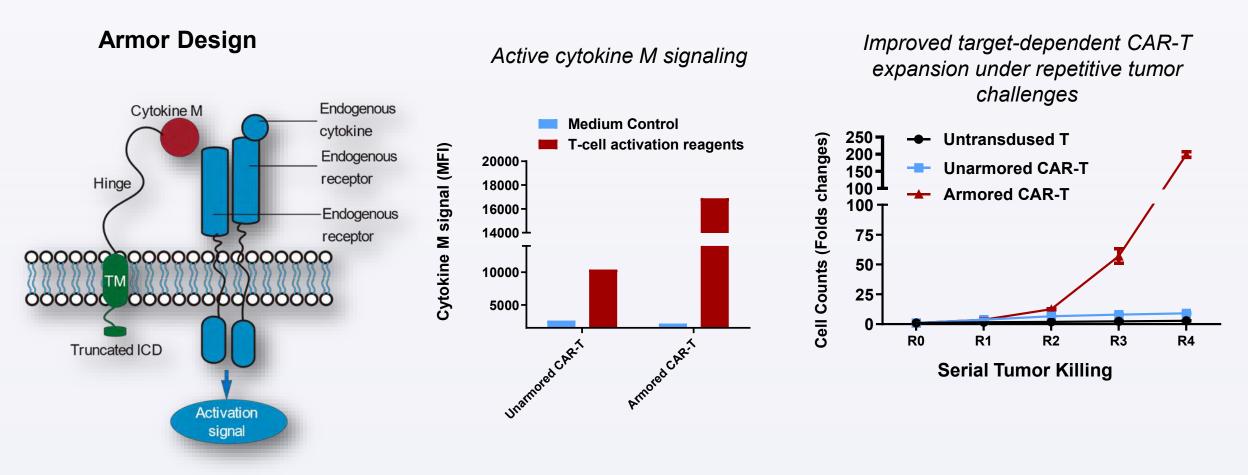
When compared to fragment antigen-binding antibodies:

- Improved CAR expression and stability
- Access to novel and hidden epitopes with membrane proximal binders
- Robust engineering flexibility for the design of complex multispecific CAR
- Enhanced immune synapse formation and better immune cell activation





Armor: Membrane Anchored Cytokine Enhances Immune Cell Expansion

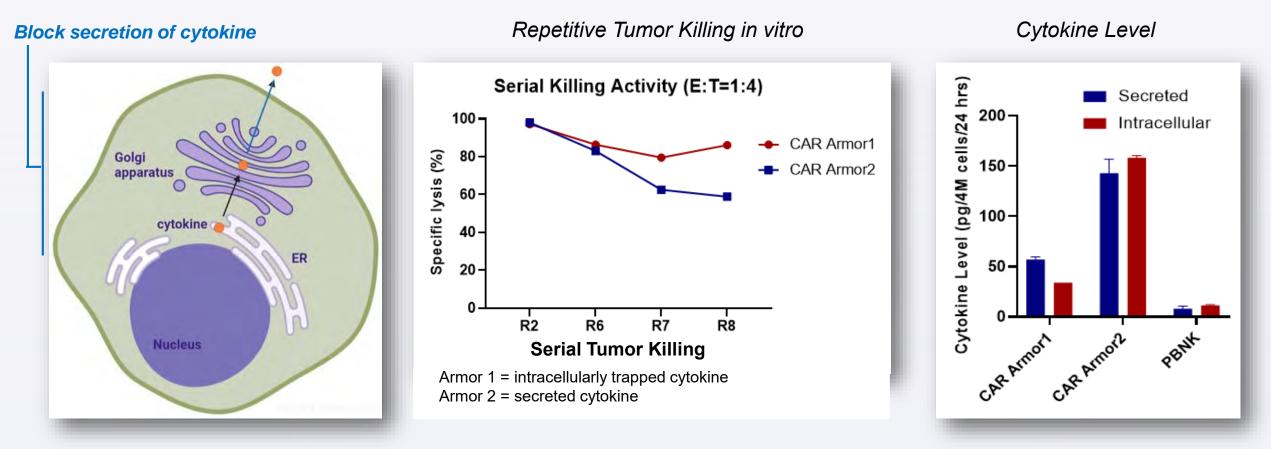


- Engineer membrane bound cytokine designed to improve safety
- Promote immune cell expansion and persistence



Armor: Intracellular Cytokine Trapper Enhances Immune Potency & Safety

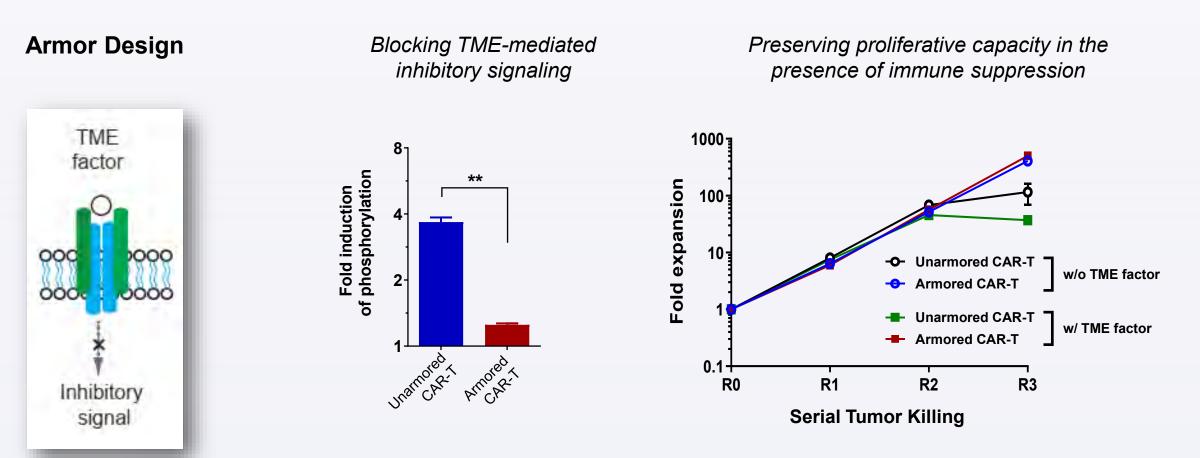
Armor Design



- Enhance immune cell potency, expansion & persistence
- Designed to improve safety



Armor: TME Factor Trapper Overcomes Hostile Tumor Microenvironment

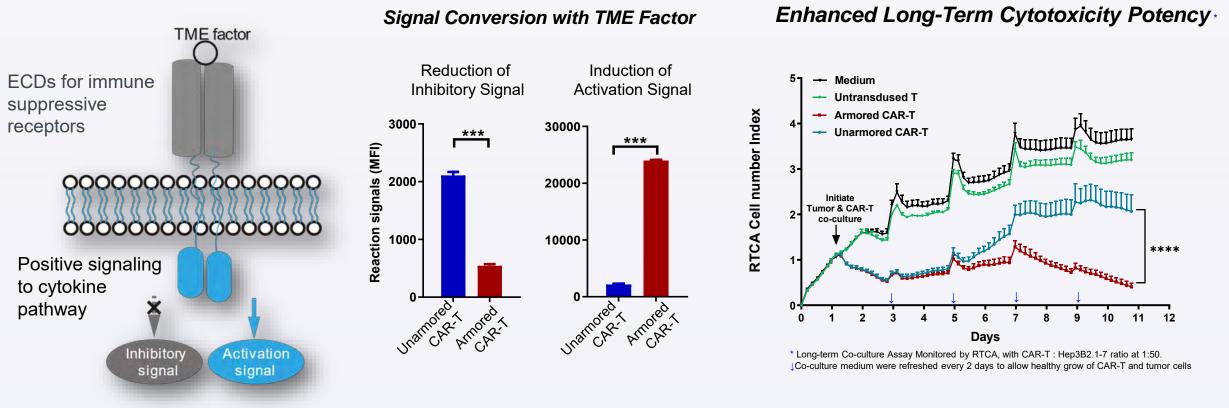


- Block immune-suppressive signaling derived from hostile TME
- Preserve metabolic fitness and prevent T cell exhaustion
- Enhance immune cell infiltration into TME



Armor: Switch Receptor Converts Immunosuppression to Immune activation

Armor Design

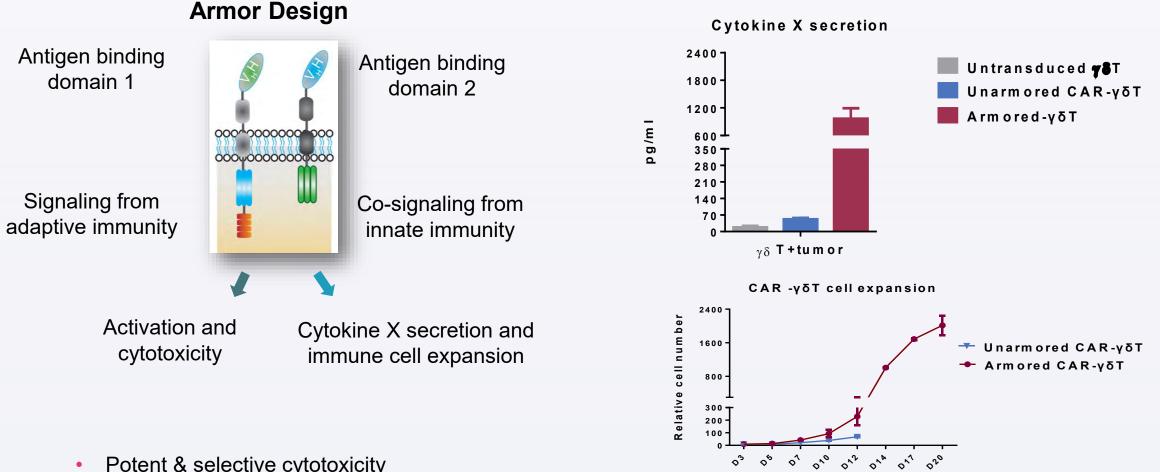


- Utilize TME suppressive factor for immune activation
- Confer resistance to TME mediated immune inhibition and exhaustion
- Enhance immune cell expansion and persistence



Serial tumor killing

Armor: Innate Armor Drives Immune Cell **Expansion and Potency**



- Potent & selective cytotoxicity
- Robust cell expansion/persistence •

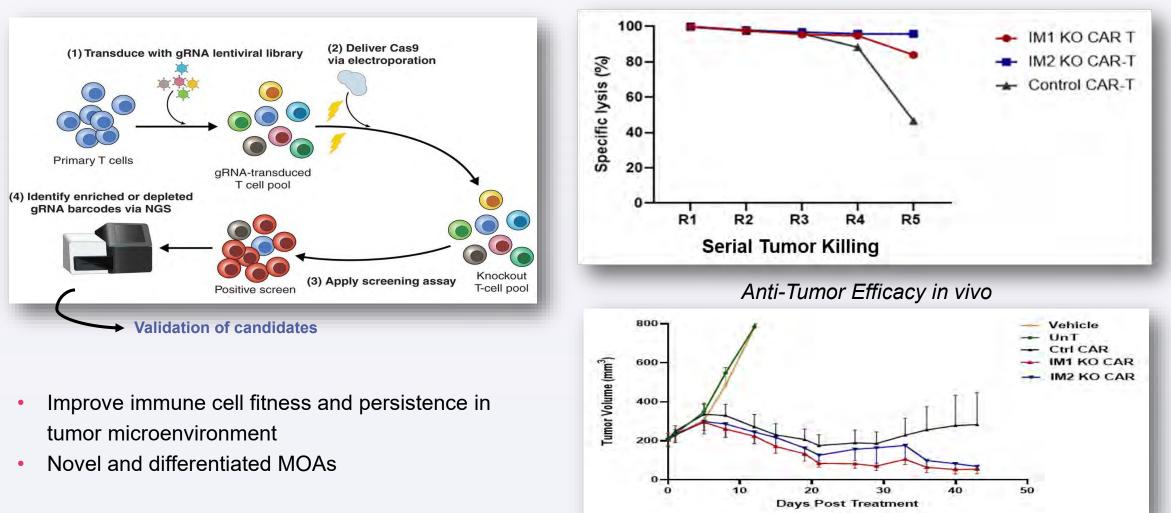


Armors: Intracellular Modulators (IM) Identified by Functional Genomic Screen

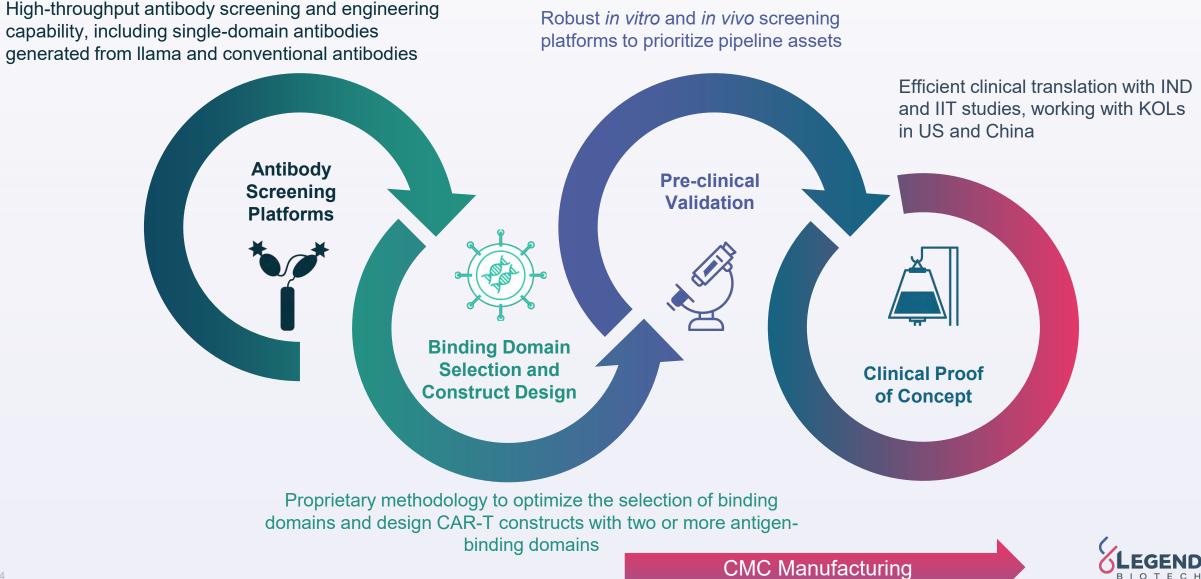
Experimental Design

Serial Killing of Tumor Cells

BIOTEC



Our End-to-End R&D Capability



Our Pipeline

Global US China

Preclinical		Phase 1		Phase 2	Phase 3	
	NSCLC (GPC3) Autologous	GASTRIC & ESOPHAGEAL (CLAUDIN 18.2) Autologous	NHL [†] /ALL [†] (CD19 X CD20 X CD22) [†] Autologous NCT05318963 NCT05292898	RRMM (BCMA) LEGEND-2 [†] Autologous NCT03090659	RRMM (BCMA)* CARTIFAN-1 Autologous NCT03758417	RRMM (BCMA)* 1-3 Prior Lines CARTITUDE-4 Autologous NCT04181827
	COLORECTAL (GCC) Autologous	SCLC (DLL3) Autologous	GASTRIC, ESOPHAGEAL & PANCREATIC [†] (CLAUDIN 18.2) Autologous NCT04467853	HCC† (GPC3) Autologous NCT05352542	RRMM (BCMA)* CARTITUDE-1 Autologous NCT03548207	NDMM (BCMA)* Transplant Not Intended CARTITUDE-5 Autologous NCT04923893
			RRMM [†] (BCMA) [‡] Allogeneic NCT05376345 NCT05498545		MM (BCMA)* CARTITUDE-2 Autologous NCT04133636	NDMM (BCMA)* Transplant Eligible CARTITUDE-6 Autologous NCT05257083

*In collaboration with Janssen, Pharmaceutical Companies of Johnson & Johnson.

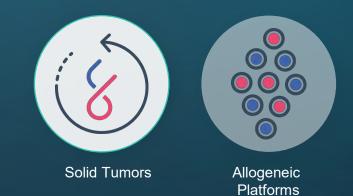
†Phase 1 IIT in China.

‡Multiple allogeneic platforms are being developed.

ALL, acute lymphoblastic leukemia; AML, acute myeloid leukemia; BCMA, B-cell maturation antigen; DLL3, delta-like ligand 3; GPC3, glypican-3; GCC, guanylyl cyclase C; HCC, hepatocellular carcinoma; IIT, investigator-initiated trial; MM, multiple myeloma; ND, newly diagnosed; NHL, non-Hodgkin lymphoma; NSCLC, non small cell lung cancer; RRMM, relapsed or refractory multiple myeloma; SCLC, small cell lung cancer.



Solid Tumors LB1908, LB2101, & LB2102



LB1908 (LCAR-C18S): Legend CAR-T Targeting CLDN18.2

For gastric cancer, esophageal cancer and pancreatic cancer



TARGET

- Claudins (CLDN) are a family of tight junction proteins¹
- CLDN18.2 is expressed in gastric cancer and pancreatic cancer²
- CLDN18.2 is highly conservative cross species



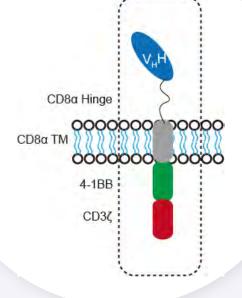
MOA/SCIENTIFIC RATIONALE

- LB1908 targets CLDN 18.2 via a proprietary VHH antibody
- High selectivity against the closely related CLDN 18.1



CLINICAL DEVELOPMENT STRATEGY

- First-In-Human IIT study is ongoing for clinical POC
 - Adult Claudin 18.2 positive patients with recurrent or metastatic advanced solid tumors (including advanced gastric cancers and non-gastric cancers) and have failed prior lines of systemic treatment
 - Enrollment in the China IIT is ongoing to evaluate safety and tolerability
- US IND was cleared on June 1, 2022

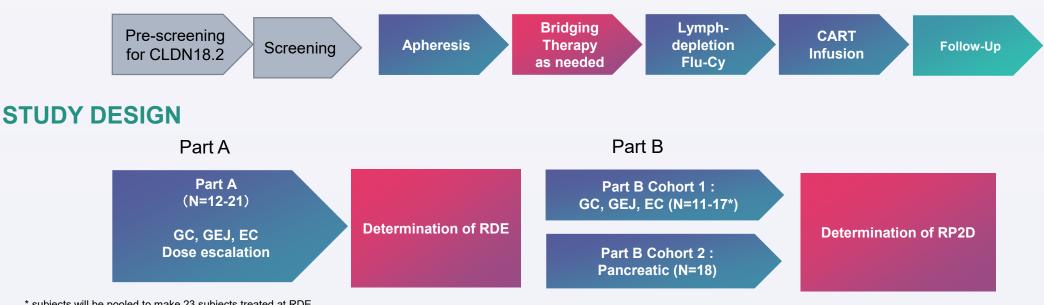




LB1908: US IND study in Claudin18.2-positive advanced solid tumors

TARGET POPULATIONS

- Histologically/cytologically confirmed unresectable, locally advanced or metastatic adenocarcinoma of the ٠ stomach, GEJ, or distal esophagus; adenocarcinoma of the pancreas will be included in part B
- Having failed at least one line of prior standard therapy ٠
- Immunohistochemistry of tumor tissue samples indicates Claudin18.2 positive ٠



TRIAL FLOW



* subjects will be pooled to make 23 subjects treated at RDE

RDE (recommended dose for exposition), RP2D (recommended phase 2 dose), GC(gastric cancer), GEJ(gastro esophageal junction cancer), EC (esophageal cancer)

LB2101 (LCAR-H93T): Legend Armored CAR-T Targeting GPC3

For HCC and NSCLC



TARGET

- GPC3 is a promising target specifically over-expressed in solid tumors
- Significantly upregulated in HCC (76%), lung SCC (52%), esophageal SCC (27%), germ-cell tumors (44-100%), ovarian clear cell cancer (41%) and serous cancer (11%) et al.¹



MOA/SCIENTIFIC RATIONALE

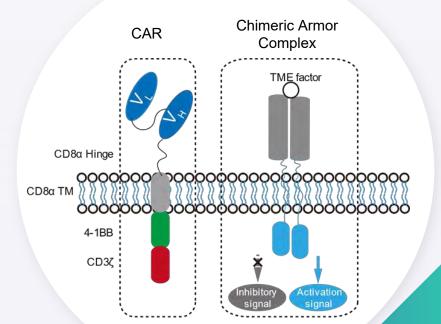
- In house developed humanized scFv with high affinity and specificity to GPC3
- Innovative armor platform: Utilize immunosuppressive signal in TME to augment CAR-T potency
- Optimized CAR design outperformed benchmarks in vivo



CLINICAL DEVELOPMENT STRATEGY

- First-In-Human study in China ongoing for clinical POC
 - Adult patients with advanced HCC; Progression or intolerance after previous standard systemic therapy
 - Immunohistochemistry of tumor tissue samples indicates GPC3 positive
 - First patient was dosed in June 2022





LB2102: Legend Armored CAR-T Targeting DLL-3

For SCLC



TARGET

- DLL-3, a promising target with prevalent & homogeneous expression in SCLC (~80% positive) and other neuroendocrine tumors
- Minimal to no expression in normal tissues
- SCLC has limited treatment options & high unmet needs



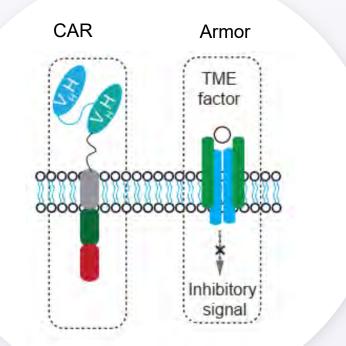
MOA/SCIENTIFIC RATIONALE

- Tandem humanized binders with high affinity and specificity
- An armor overcoming suppressive TME to promote CAR-T cell expansion, persistence and infiltration



PRECLINICAL & CLINICAL DEVELOPMENT STRATEGY

- Well-tolerated *in vivo* in s.c and pulmonary orthotopic xenograft models
- US IND submission planned Q42022





Solid Tumor LCAR-G08T



Allogeneic Platforms

LCAR-G08T: Legend Armored CAR-T Targeting GCC

For gastrointestinal cancers



TARGET

- GCC (GUCY2C) is commonly expressed in the majority of gastrointestinal malignancies, including colorectal cancer (CRC), GC, EC, GEJC, PC (large market size and high unmet medical needs)¹
- GCC is weakly expressed in intestinal epithelial cells on the luminal membranes, avoiding systemic T cell-mediated immune responses²



MOA/SCIENTIFIC RATIONALE

- Humanized sdAb with high GCC binding affinity and specificity
- Potent anti-tumor efficacy in CRC animal models in comparison to benchmark
- Innovative armor platform: utilize immunosuppressive signal in TME to augment CAR-T potency



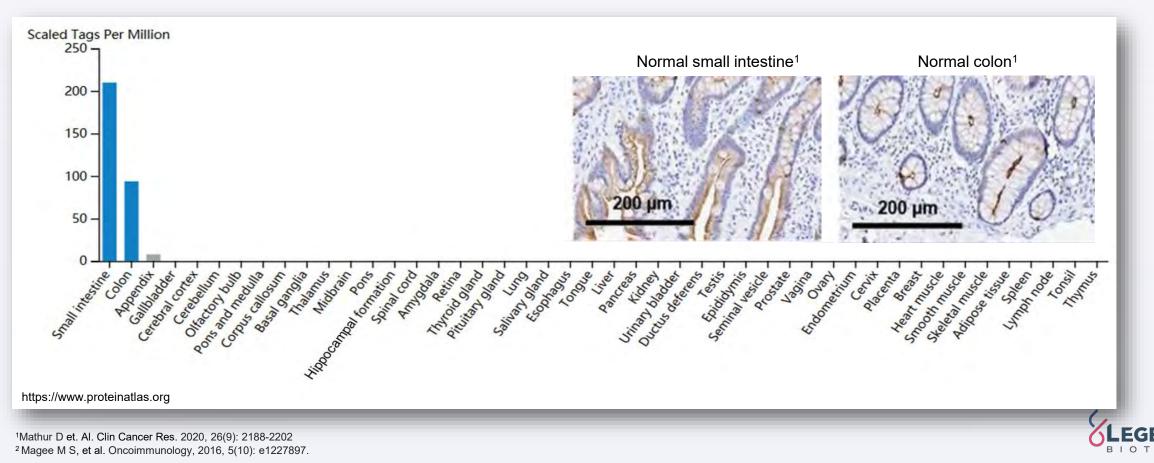
CLINICAL DEVELOPMENT STRATEGY

• First-in-human study in preparation

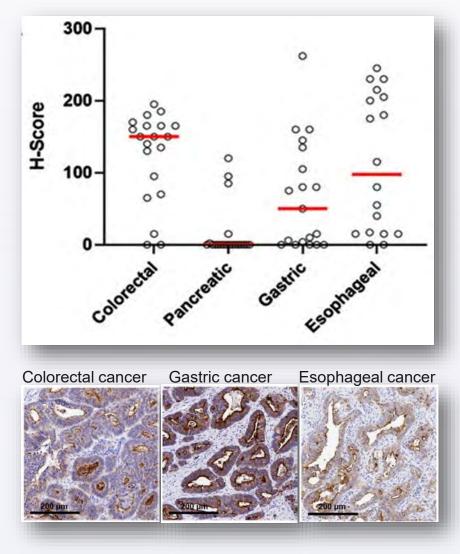


GCC is an Emerging Target for CAR-T Therapy

- GCC is expressed in the apical side of the epithelial brush border facing lumen, avoiding systemic T cellmediated immune responses.¹
- GCC CAR-T (cross-reactive with mouse GCC,MS24) accumulated in GCC+ tumors, mediating antitumor immunity, but were absent from normal intestines, which resulted in no T cell-mediated toxicity in preclinical models.²



GCC is Widely Expressed in Gastrointestinal Cancers



Mathur D., Root, A. et. al. Clinical Research. 2020, 26(9): 2188-2202

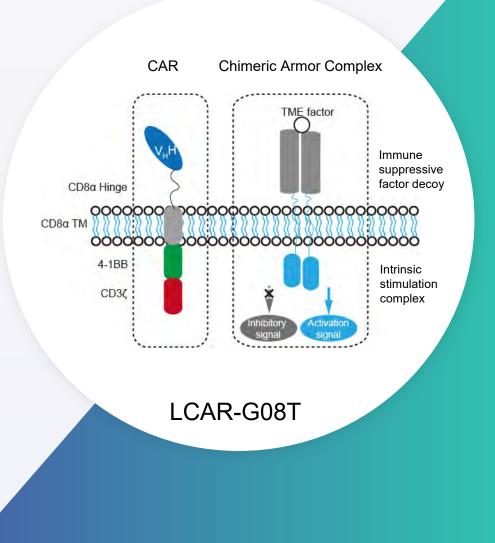
Indications	Global new cases per year ^{2~3}	GCC positive % (H-score>50) ¹
Colorectal cancer	1,800,000	85% (17/20)
Gastric cancer	1,000,000	58% (11/19)
Esophageal cancers	604,100	61% (11/18)
Pancreatic cancers	495,773	15% (3/20)

¹ Mathur D., Root, A. et. al. Clinical Research. 2020, 26(9): 2188-2202 ² GlobalData: Colorectal Cancer-Epidemiology Forecast to 2028 ³ Cancer Statistics, 2021. CA Cancer J Clin:2021 May;7(3) 209-249.



LCAR-G08T: GCC-targeting CAR-T Cell for GI cancers

- LCAR-G08T consists of autologous T cells genetically modified to express a CAR utilizing a lentiviral vector
- Humanized sdAb with high GCC binding affinity and specificity
- Humanized sdAb-derived CAR-T with greater efficacy in animal models to benchmark
- Legend's innovative armor converts immunosuppressive signal in TME to augment CAR-T potency



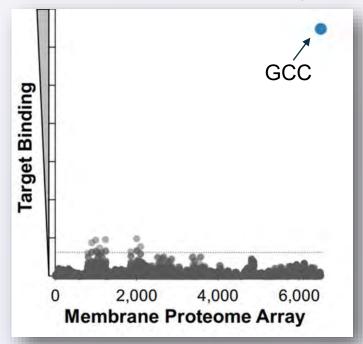
LCAR-G08 VHH Binder Characterization in vitro

- Humanized sdAb with high affinity and specificity
- No off-target binding in membrane protein array

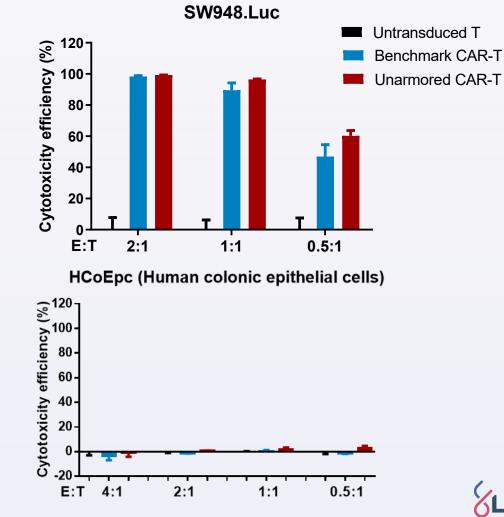
Antibody	ka (1/Ms)	kd (1/s)	KD (M)
VHH binder	1.27E+05	1.29E-04	1.02E-09
Benchmark	9.38E+04	1.30E-03	1.38E-08

Binding affinity by SPR

Membrane Proteome Array

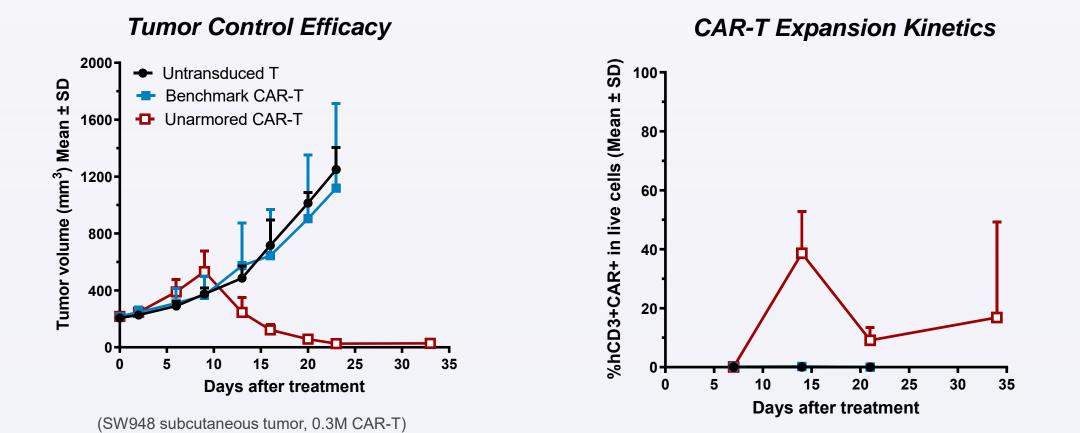


 LCAR-G08 (unarmored CAR-T) elicited cytotoxicity on CRC cells, but not on normal primary colonic cells (HcoEpc)



LCAR-G08 VHH Binder Characterization in vivo

 LCAR-G08 (unarmored CAR-T) exhibited better efficacy and T cell expansion than benchmark at low dose *in vivo*.

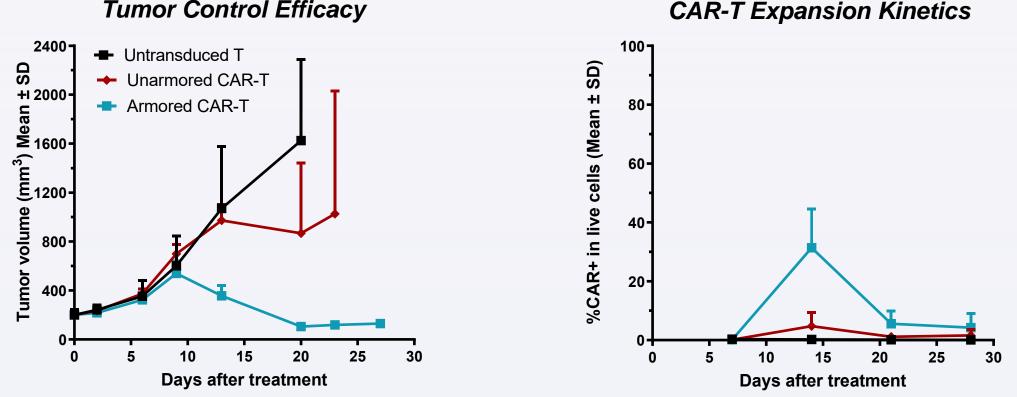




This presentation is for investor relations purposes only - Not for product promotional purposes

Legend's Armor Markedly Improves CAR-T Function

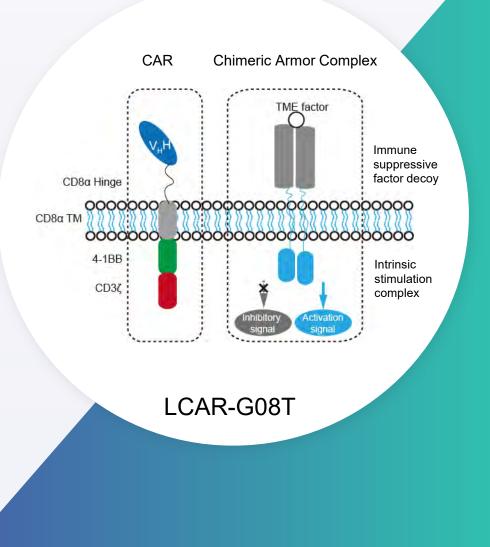
- LCAR-G08T is armored with a membrane bound receptor converting TME • immunosuppressive signal to an activation signal.
- Armor enhances CAR-T anti-tumor efficacy in vivo at low dose of 0.1M CAR-T in the LS1034 subcutaneous tumor model.



CAR-T Expansion Kinetics

Conclusion: LCAR-G08T

- GCC is a promising target for CRC and other gastrointestinal cancers.
- Humanized sdAb-derived binder with high GCC binding affinity, specificity.
- Innovative armor improves CAR-T persistence and overcomes immunosuppressive TME in a preclinical model.
- First-in-human study in preparation.



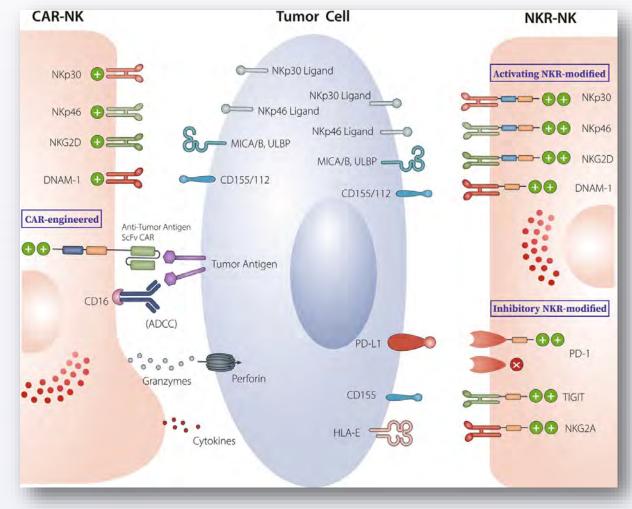
Allogeneic Platform CAR-NK



Allogeneic Platforms

CAR-NK Immunotherapy

- NK cells are fast and serial killer of cancer cells
- CAR-NK offers multiple cytotoxicity MOAs:
 - CAR independent killing (e.g. NKG2D, NCRs, etc.)
 - CAR dependent killing
 - Antibody-mediated ADCC
 - Cytokines to activate host immune response



Zhang, C. et al. Cell Mol Immunol 18, 2083-2100 (2021)



Legend Allogeneic CAR-NK Therapy

CHALLENGES

- Short persistence of NK cells
- Multiple dosing required
- Low transduction efficiency
- Difficulty with cryopreservation
- HvG rejection



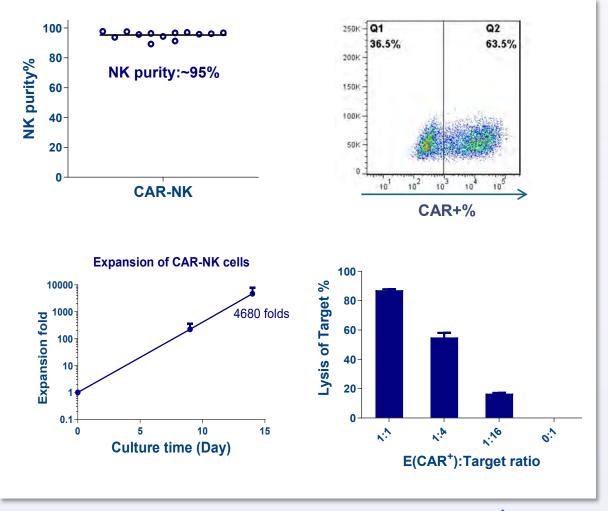
- Long term tumor regression by single low dose of LGkine armoring CAR-NK in animal models
- Robust transduction efficiency
- Cryopreserved product maintains viability and functionality
- Efficient anti-HvG mechanism to enhance persistence and efficacy



Key Features of Legend CAR-NK Product



- High purity
- High transduction efficiency

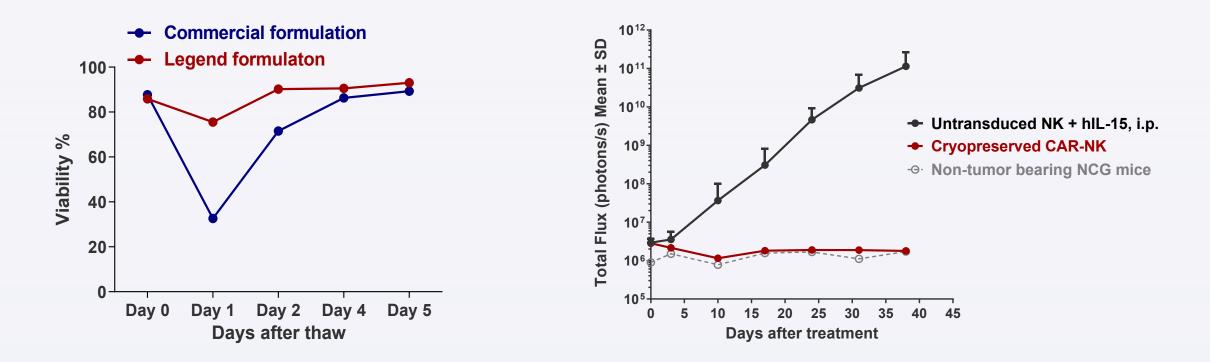


- Robust expansion process
- Strong anti-tumor activity

Cryopreserved Legend CAR NK Product Maintains Viability and Functionality

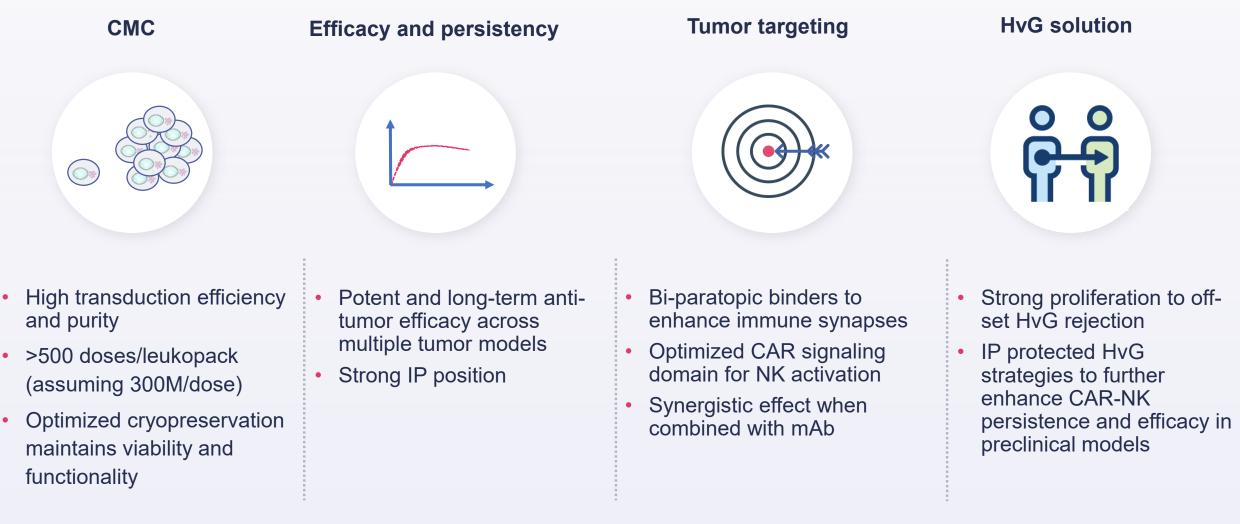
Viability of Cryopreserved Product in vitro

Anti-Tumor Efficacy of Cryopreserved Product in vivo





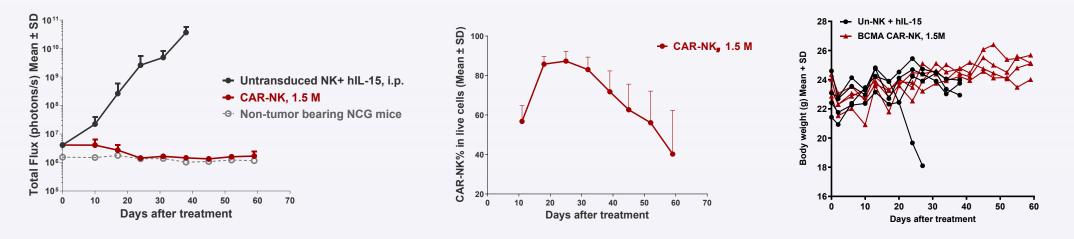
Highlights of Legend's CAR-NK Product

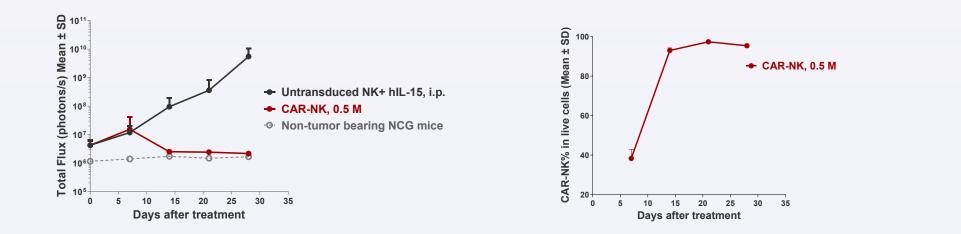




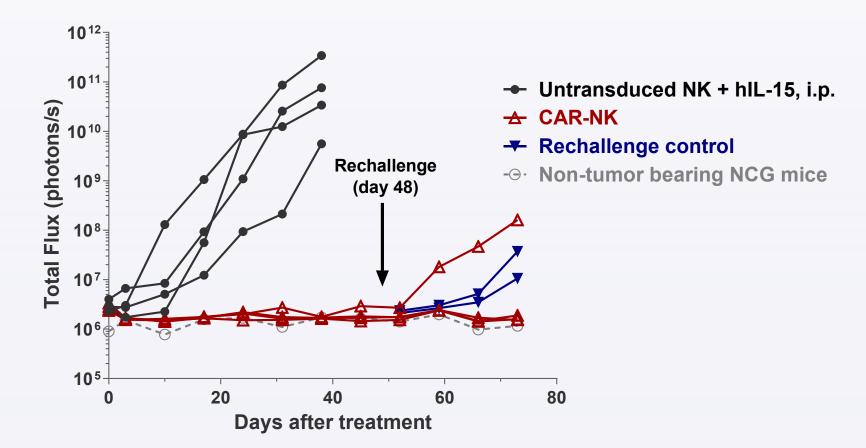
Preclinical CAR-NK Efficacy and Safety Profile at Low Dose Treatment

- Complete & durable tumor regression by a single low dose (0.5 M or 1.5 M) in preclinical *in vivo* models
- No sign of body weight loss





Durable Protection Upon Tumor Rechallenge



- Three out of four animals maintained complete tumor regression after re-challenge of tumor cells until the end of the experiment (each line represents one animal)
- No sign of body weight loss was observed during the study



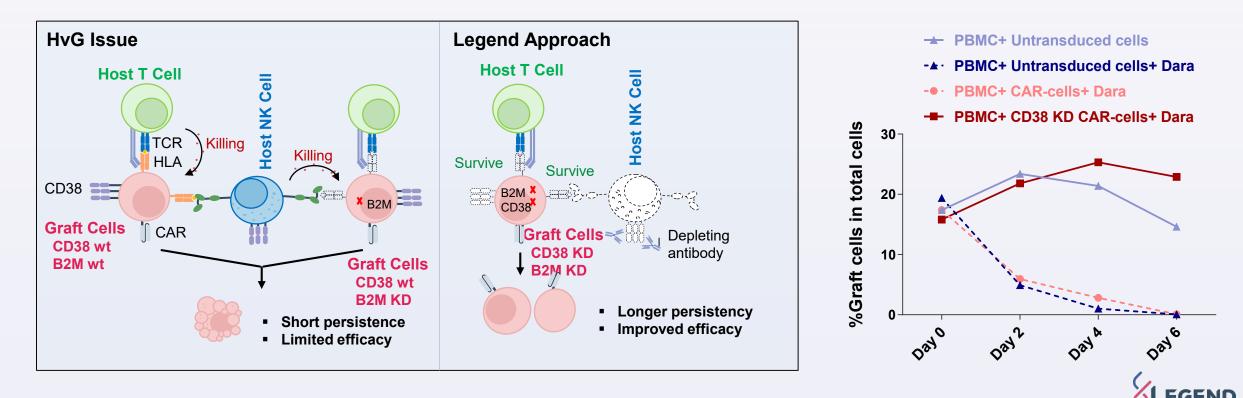
HvG Strategy

Approach

- B2M knock down (KD) to avoid host T recognition
- CD38 KD to avoid CD38 antibody fratricide
- Treatment with CD38 mAb to eliminate host NK cells

Potential Benefit

- Avoid recognition by host T and NK cells
- Simple CMC process: single vector to express CAR module with B2M KD and CD38 KD module in one transduction



Summary of Legend CAR-NK Platform

Potency and durability

- Unique armor enables10-30x lower dose to achieve complete tumor regression compared with benchmark in preclinical *in vivo* models
- Prolonged exposure of CAR-NK with single dose (>60 days); Durable control of tumor growth *in vivo*

Safety

CAR-NK treated animals showed no weight loss

Persistency and HvG solution

- Potent expansion to off-set HvG rejection
- Engineered anti-HvG protection helps extending the persistency of CAR-NK product

СМС

- Product characterized with high viral transduction rate and high NK purity
- Product with enhanced metabolic fitness and less exhaustion phenotype
- Capacity: >500 doses/leukopack (assuming 300M per dose)
- Optimized cryopreservation process maintains cell viability and functionality



Allogeneic Platform CAR-γδ T



Allogeneic Platforms

γδ T Cells As Next Generation Cancer Cell Therapies

Efficacy

- Express T-cell and NK cell receptors, facilitating adaptive and innate anti-tumor activities to address target heterogeneity
- Infiltrate to most hematologic malignancies and solid tumors
- Presence of $\gamma\delta$ T cells in tumors strongly correlates with improved overall prognosis, survival and PFS

Safety

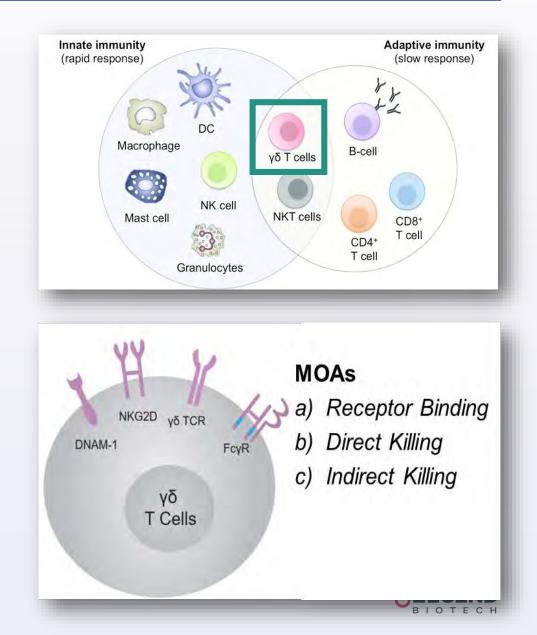
• γδ T cells naturally do not cause GvHD

Manufacturing

- Healthy donor derived
- Can be robustly expanded in a GMP-compliant manner
- Can be effectively redirected using CAR constructs

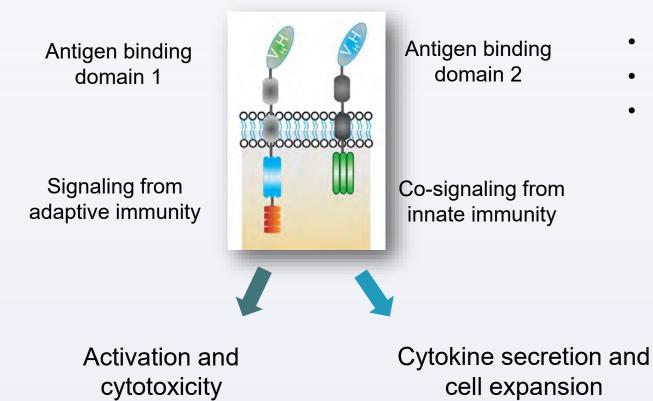
Hurdles

- No cytokine secreted to support γδ T proliferation after activation
- Potential allo-rejection by host immune cells



Innate Armor CAR-γδ T Platform

Mimicking natural co-stimulatory signaling in CAR- $\gamma\delta$ T cells



- Potent & selective cytotoxicity
- Robust cell expansion/persistence
- Low cytokine secretion



Robust Scalable Manufacturing Process



- Leverage our expertise and capabilities with autologous CAR-αβ T production
- Feeder free, serum free, fully closed and semiautomated CAR-γδ with consistency and scalability
- Cost efficient: 1 leukopak for 1000 doses#

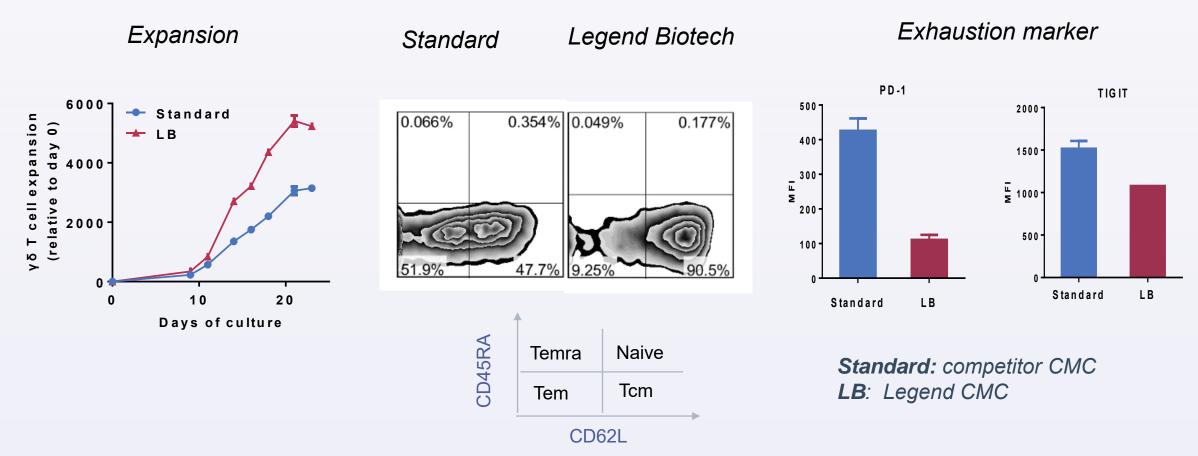
*: tested on three hematological and one solid tumor model # : current estimate assuming a flat dose of 100M/dose

Metrics	Legend Biotech
Process	10-15 days
Cell fitness	>90% Tcm
Exhaustion marker	Low PD-1 and TIGIT expression



Our Manufacturing Process Leads to Differentiated Product

Better Expansion and Improved T Cell Fitness





Allogeneic Program LB2103



Allogeneic Platforms

LB2103: BCMA-targeting CAR-γδ T Cell for Multiple Myeloma



TARGET

- BCMA: highly expressed in myeloma cells
- No expression in normal tissues beyond B cells



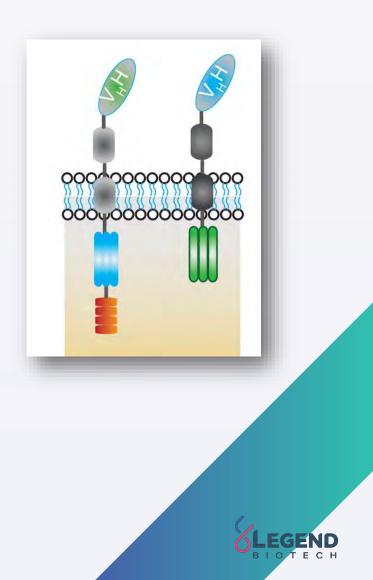
MOA/SCIENTIFIC RATIONALE

- Two VHHs bind to BCMA with high affinity;
- Innate armor to increase cell proliferation and cytotoxicity upon antigen engagement



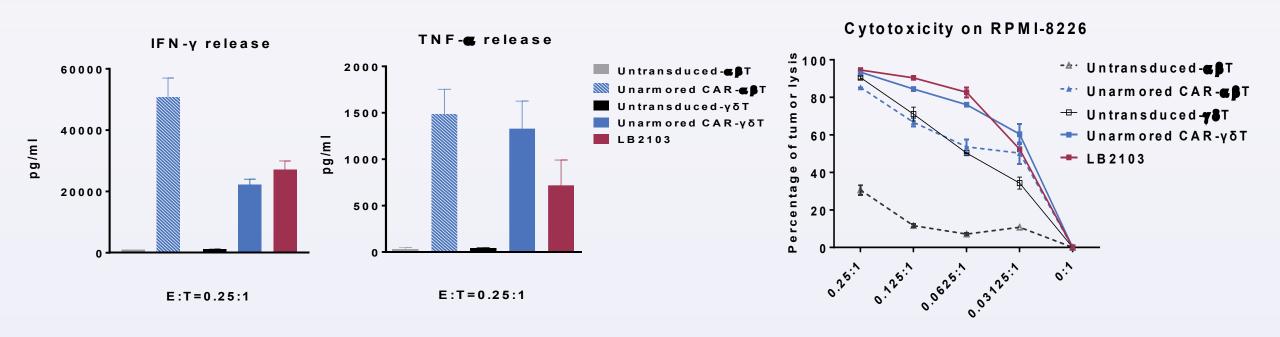
CLINICAL DEVELOPMENT STRATEGY

- Well-tolerated *in vivo* in xenograft models
- China IIT ongoing



LB2103 Releases Lower Levels of Cytokines Than CAR-αβ T

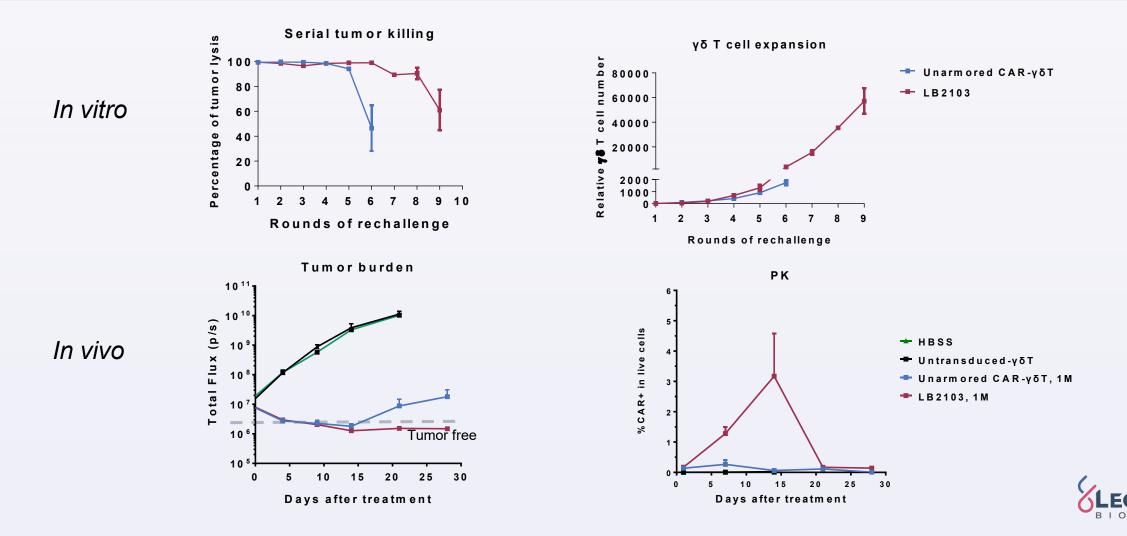
- Lower IFN- γ and TNF- α release from LB2103 than CAR- $\alpha\beta$ T
- No detectable IL-6, IL-17, IL-8, IL-1β from LB2103
- Higher cytotoxicity from LB2103 than CAR- $\alpha\beta$ T





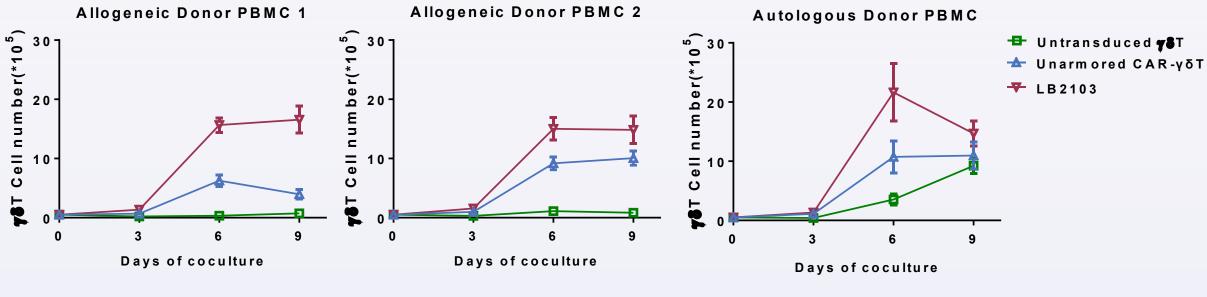
LB2103 Exhibits Enhanced Cell Expansion and Potency

- LB2103 had better potency and proliferation than unarmored CAR-γδ T in repetitive tumor killing assay
- LB2103 exhibited better tumor control than unarmored CAR-γδ T *in vivo*



LB2103 Exhibits Decreased HvG Potential

Improved persistence of LB2103 over unarmored CAR-γδ T in the presence of allogeneic PBMC



 $CAR-\gamma\delta T$: PBMC: tumor = 1:30:1

• Legend has IP-protected approaches to address HvG that can be incorporated to LB2103



Summary of Allogeneic CAR-γδ T with Innate Armor

Efficacy

- Potent cytotoxicity with multiple MOAs: CAR-dependent and independent cytotoxicity
- Innate Armor platform with strong IP position
 - Unique armor mechanism to increase CAR- $\gamma\delta$ T expansion and persistence

Safety

- γδ T cells naturally do not cause graft-versus-host disease (GvHD)
- Innate Armor platform
 - Tumor antigen-dependent CAR- $\gamma\delta$ T expansion
 - Lower levels of pro-inflammatory cytokines secreted compared to CAR- $\alpha\beta$ T cells

СМС

- Feeder free, serum free, closed, and semi-automated manufacturing process with consistency and scalability
- Proprietary process that enriches central memory $\gamma\delta$ T cells and improves $\gamma\delta$ T cell fitness
- Currently estimating >1000 doses per leukopak

Clinical Development Strategy

• First-In-Human study in China ongoing for clinical POC



Global R&D Strategy

Institutional R&D Model that accelerates Cell Therapy Discovery and Development







Science: Global innovation development US, China, Europe



Patients: Potential first/best-in-class proprietary technology platforms



IP: Strong intellectual property position

CLINICAL DEVELOPMENT



Clinical programs in US



Clinical programs in China

CORE TECHNOLOGIES	
CAR-T NK	
γδ - Τ PRODUCT PLATFORMS	
Autologous Allogeneic	

DISEASE AREAS

Hematologic malignancies Solid tumors





Q&A

Questions can be submitted by chat or card



Q&A Participants







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THANK YOU