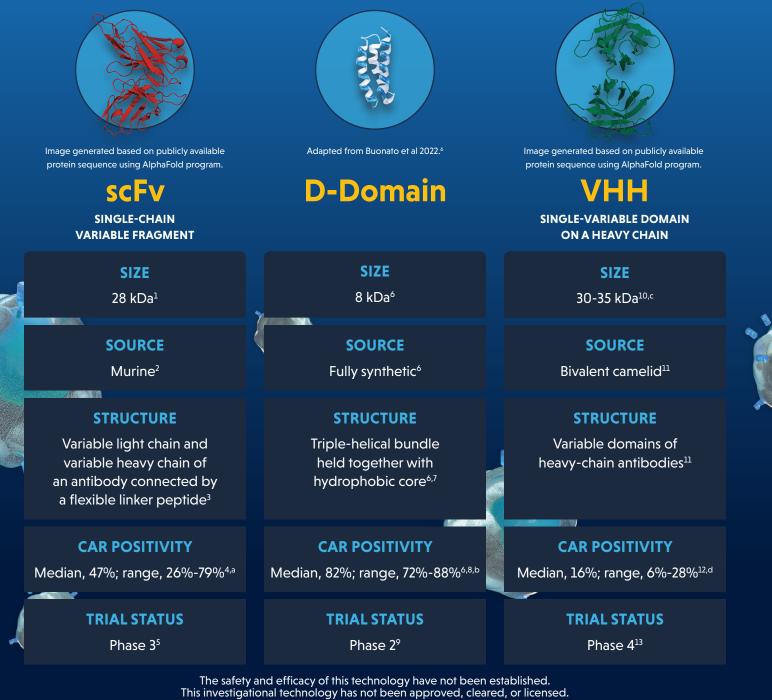
## Discover CAR T BCMA binders

Learn more about the 3 types of specifically engineered binding domains below.



<sup>a</sup>Phase 1 multicenter dose-escalation trial of an anti-BCMA CAR T in patients with relapsed or refractory multiple myeloma (n=21).<sup>4</sup>

<sup>b</sup>Preclinical study of a BCMA-directed CAR T (n=9).<sup>6,8</sup>

 $^{\rm c} Approximate$  size of 2 identical VHH domains connected by a linker peptide.  $^{\rm 10}$ 

<sup>d</sup>Translational data from a Phase 1b cohort of an ongoing Phase 1b/2 study of a BCMA-targeted CAR T in patients with relapsed or refractory multiple myeloma (n=25).<sup>12</sup>

Abbreviations: BCMA, B-cell maturation antigen; CAR T, chimeric antigen receptor T cell.





KITE and the Kite Logo are trademarks of Kite Pharma, Inc. GILEAD is a trademark of Gilead Sciences, Inc. ©2023 Kite Pharma, Inc. All rights reserved. US-UNB-00178 11/23 Arcellx and the Arcellx Logo are trademarks of Arcelix, Inc.





References: 1. Bjerregaard-Andersen K, Johannesen H, Abdel-Rahman N, et al. Crystal structure of an L chain optimised 14F7 anti-ganglioside Fv suggests a unique tumourspecificity through an unusual H-chain CDR3 architecture. Sci Rep. 2018;8(1):10836. doi:10.1038/s41598-018-28918-5. 2. Friedman KM, Garrett TE, Evans JW, et al. Effective targeting of multiple B-cell maturation antigen-expressing hematological malignancies by anti-B-cell maturation antigen chimeric antigen receptor T cells. Hum Gene Ther. 2018;29(5):585-601. doi:10.1089/hum.2018.001. 3. Monnier PP, Vigoroux RJ, Tassew NG. In vivo applications of single chain Fv (variable domain) (scFv) fragments. Antibodies. 2013;2(2):193-208. doi:10.3390/antib2020193. 4. Berdeja JG, Lin Y, Raje N, et al. Durable clinical responses in heavily pretreated patients with relapsed/refractory multiple myeloma: updated results from a multicenter study of bb2121 anti-Bcma CART cell therapy. Blood. 2017;130(suppl 1):740. doi:10.1182/blood.V130.Suppl\_1.740.740. 5. A study to compare the efficacy and safety of idecabtagene vicleucel with lenalidomide maintenance therapy versus lenalidomide maintenance therapy alone in adult participants with newly diagnosed multiple myeloma who have suboptimal response after autologous stem cell transplantation (KarMMa-9). ClinicalTrials.gov website. Updated October 30, 2023. Accessed November 6, 2023. https://classic. clinicaltrials.gov/ct2/show/NCT06045806. 6. Buonato JM, Edwards JP, Zaritskaya L, et al. Preclinical efficacy of BCMA-directed CAR T cells incorporating a novel D domain antigen recognition domain. Mol Cancer Ther. 2022;21(7):1171-1183. doi:10.1158/1535-7163.MCT-21-0552. 7. Qin H, Edwards JP, Zaritskaya L, et al. Chimeric antigen receptors incorporating D domains targeting CD123 direct potent mono- and bi-specific antitumor activity of T cells. Mol Ther. 2019;27(7):1262-1274. doi:10.1016/j.ymthe.2019.04.010. 8. Buonato JM, Edwards JP, Zaritskaya L, et al. Preclinical efficacy of BCMA-directed CAR T cells incorporating a novel D domain antigen recognition domain. Supplementary appendix. Mol Cancer Ther. 2022;21(7):1171-1183. Accessed November 6, 2023. https://aacr.figshare.com/articles/journal\_contribution/Supplementary\_Figure\_from\_Preclinical\_Efficacy\_of\_BCMA-Directed\_ CAR\_T\_Cells\_Incorporating\_a\_Novel\_D\_Domaizn\_Antigen\_Recognition\_Domain/22522623/1. 9. Study of CART-ddBCMA in relapsed or refractory multiple myeloma (iMMagine-1). ClinicalTrials.gov website. Updated September 29, 2023. Accessed November 13, 2023. https://classic.clinicaltrials.gov/ct2/show/NCT05396885. 10. Bannas P, Hambach J, Koch-Nolte F. Nanobodies and nanobody-based human heavy chain antibodies as antitumor therapeutics. Front Immunol. 2017;8:1603. doi:10.3389/fimmu.2017.01603. 11. Abebe EC, Shiferaw MY, Admasu FT, Dejenie TA. Ciltacabtagene autoleucel: The second anti-BCMA CAR T-cell therapeutic armamentarium of relapsed or refractory multiple myeloma. Front Immunol. 2022;13:991092. doi:10.3389/fimmu.2022.991092. 12. Zudaire E, Madduri D, Usmani SZ, et al. Translational analysis from CARTITUDE-1, an ongoing phase 1b/2 study of JNJ-4528 BCMA-targeted CAR-T cell therapy in relapsed and/or refractory multiple myeloma (R/R MM), indicates preferential expansion of CD8+T cell central memory cell subset. Blood. 2019;134(suppl 1):928. doi:10.1182/blood-2019-127309. 13. A long-term study for participants previously treated with ciltacabtagene autoleucel. ClinicalTrials.gov website. Updated October 11, 2023. Accessed November 6, 2023. https://clinicaltrials.gov/study/NCT05201781.