

Anti-CD3ExBCMA hIgG4 Reference Antibody (Tecbio)

Product Information

Product Name Anti-CD3ExBCMA hIgG4 Reference Antibody (Tecbio)
Storage temp. Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.

Catalog# / Size **GM-88011MAB-1mg / 1 mg**
GM-88011MAB-5mg / 5 mg
GM-88011MAB-25mg / 5 mg*5 vials
GM-88011MAB-50mg / 50 mg
GM-88011MAB-100mg / 50 mg*2 vials

Antibody Information

Expression System CHO
Aggregation < 5% as determined by SEC-HPLC
Purity > 95% as determined by SDS-PAGE
Species Reactivity Human
Clone teclistamab
Source/Isotype Monoclonal Human hIgG4 (S228P/F234A/L235A) λ-2
Application Flow Cytometry; Aassay
Specificity Detects CD3E & BCMA
Gene CD3E & BCMA
Other Names CD3E: CD3epsilon, IMD18, T3E, TCRE
BCMA: BCM, TNFRSF17, CD269, TNFRSF13A
Background Teclistamab is a Bispecific monoclonal antibody that enhances the immune system's ability to attack cancer cells by targeting two different antigens at once. It specifically binds to B cell maturation antigen (BCMA) and CD3 molecules on the surface of T cells, forming a "Bridge" that enables T cells to recognize and contact myeloma cells more efficiently. When Teclistamab binds to CD3, it activates T cells, prompting them to release cytokines that mediate the killing of tumor cells and thus promote their death. In addition, Teclistamab directs T cells to the tumor microenvironment, further enhancing the body's anti-tumor immune response. This mechanism dramatically improves the effectiveness of Teclistamab in treating multiple myeloma.
Storage Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term.Avoid repeated freeze-thaw.
Formulation Phosphate-buffered solution, pH 7.2-7.4.

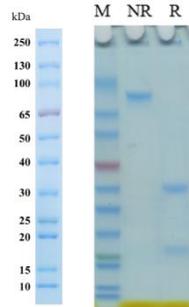
Version:3.1

Endotoxin

< 1 EU/mg, determined by LAL gel clotting assay

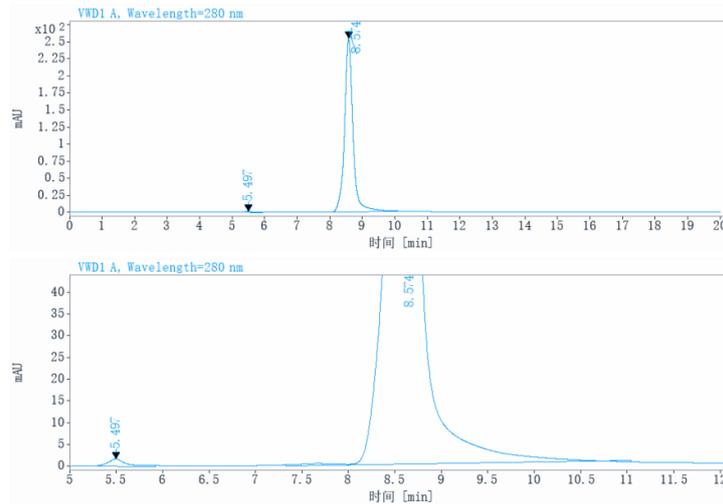
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC

Flow cytometry

H_CD3E(Membrane Bound ECD) CHO-K1 Cell Line (Catalog # GM-C32790)、H_CD3 CHO-K1 Cell Line (Catalog # GM-C32790) and H_BCMA CHO-K1 Cell Line(Catalog # GM-C24849) were stained with Anti-CD3E×BCMA hIgG4 Reference Antibody (Tecbio) (Catalog # GM-88011MAB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody .

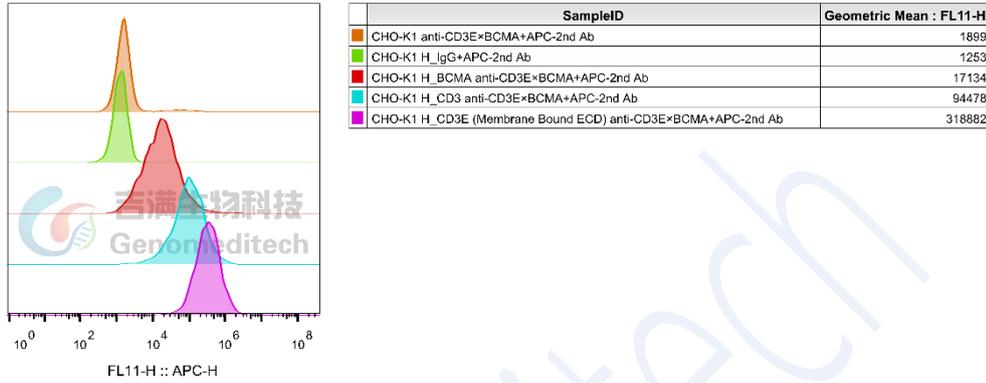


Fig. FACS

Assay

Anti-CD3E×BCMA hIgG4 Reference Antibody (Tecbio) (Catalog # GM-88011MAB) stimulated Luminescence of Jurkat CD3-BsAb Reporter Cell Line (Catalog # GM-C17940) binded with H_BCMA CHO-K1 Cell Line (Catalog # GM-C24849). EC50 for this effect is 0.003103 µg/mL.

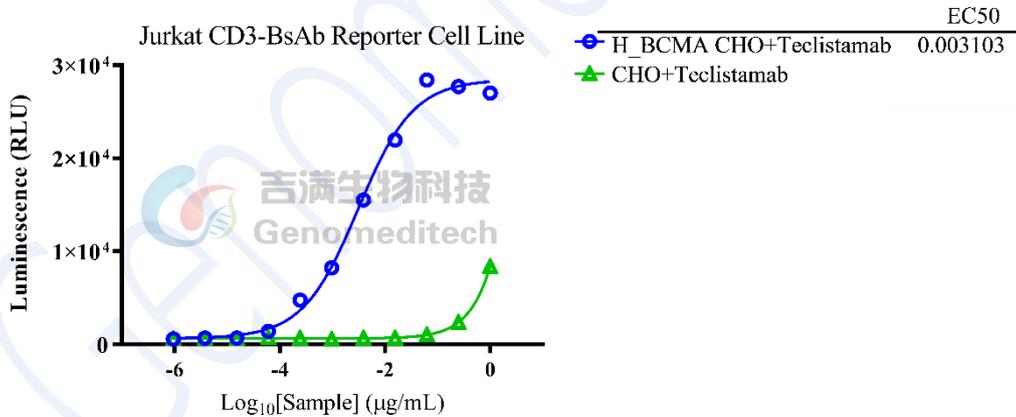


Fig. Assay