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Biotinylated Anti-Lebrikizumab mIgG2a Antibody (11H8)

Product information

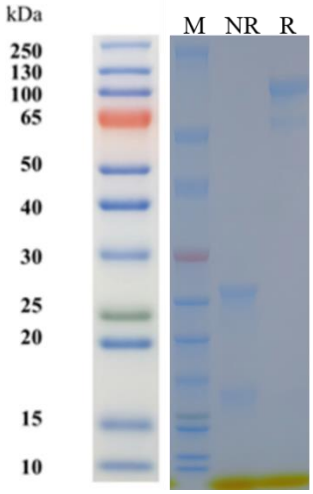
GM-89206AB-25	25 μg
GM-89206AB-200	200 μg

Antibody Information

Host Species	Mouse
Source	Biotinylated Anti-Lebrikizumab mIgG2a Antibody (11H8) is recombinantly expressed in CHO and then biotinylated. It consists of mouse variable regions genetically fused to mIgG2a constant domains.
Clone	11H8
Isotype	mIgG2a, Kappa
Application	Bioactivity-ELISA
Target	Detects Lebrikizumab
Immunogen	Lebrikizumab
Background	Lebrikizumab is a humanized immunoglobulin G4 (IgG4)/kappa monoclonal antibody directed against interleukin-13 (IL-13), a type 2 cytokine that drives the inflammatory loop underlying atopic dermatitis. IL-13 signals through a heterodimeric receptor composed of IL-13Rα1 and IL-4Rα. Lebrikizumab binds IL-13 with high affinity and a slow dissociation rate at an epitope overlapping the IL-4Rα binding site, preventing assembly of the IL-13Rα1/IL-4Rα signaling complex and blocking downstream IL-13 signaling. The antibody is produced by recombinant DNA technology in a mammalian cell expression system and consists of humanized variable regions fused to human IgG4 constant domains, with a molecular weight of approximately 145 kDa. Lebrikizumab is approved for moderate-to-severe atopic dermatitis in adults and adolescents and has also been evaluated in asthma. Because therapeutic proteins can elicit anti-drug antibodies that alter drug exposure and efficacy, drug-specific anti-idiotypic antibodies such as this product are widely used as critical reagents for pharmacokinetic and immunogenicity assays.
Storage	Store at 2-8℃ short term (1-2 weeks). Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

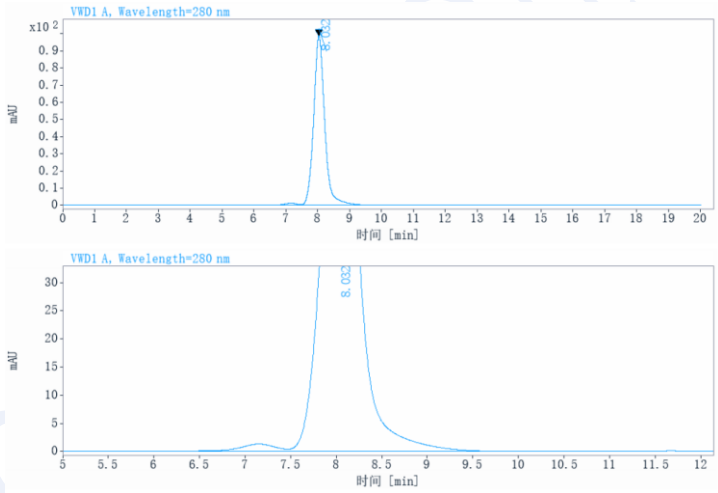
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

SEC-HPLC



The purity of this product is more than 90% verified by SEC-HPLC.

Bioactivity-ELISA

Immobilized Anti-IL13 hIgG4 Reference Antibody (Lebribio) (Catalog # GM-88031MAB, Lebrikizumab) at 1 μg/mL (100 μL/well) can bind Biotinylated Anti-Lebrikizumab mIgG2a Antibody (11H8) (Catalog # GM-89206AB) with a linear range of 0.5-250 ng/mL.

Version:3.1

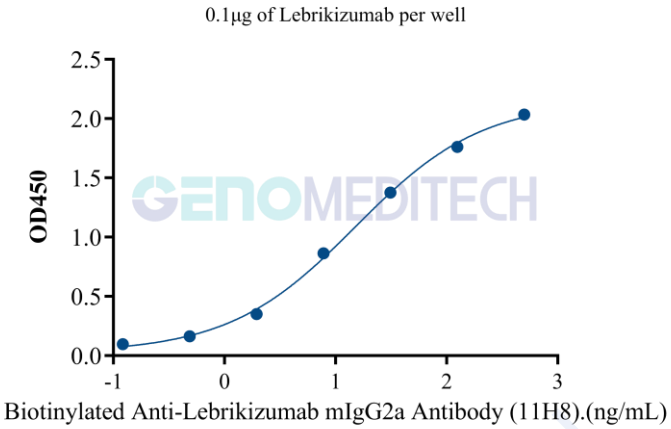


Fig. ELISA

Bioactivity-ELISA

Immobilized Anti-Lebrikizumab mIgG2a Antibody (1A11) (Catalog # GM-89205AB) at 2 μg/mL (100 μL/well), add increasing concentrations of Anti-IL13 hIgG4 Reference Antibody (Lebribio) (Catalog # GM-88031MAB, Lebrikizumab) and then add Biotinylated Anti-Lebrikizumab mIgG2a Antibody (11H8) (Catalog # GM-89206AB) at 2 μg/mL (100 μL/well). Detection was performed using HRP-conjugated streptavidin with sensitivity of 2 ng/mL.

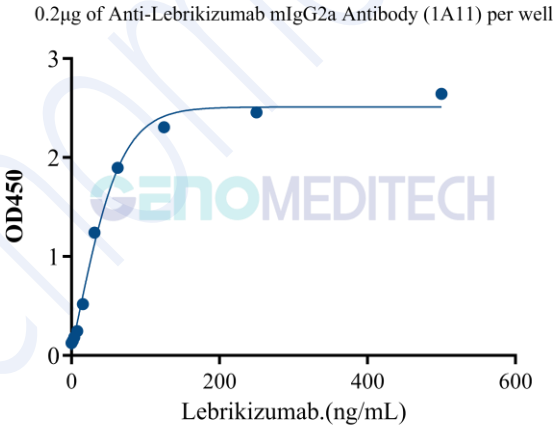


Fig. ELISA

Related Products

Anti-Lebrikizumab		
GM-89203AB	Anti-Lebrikizumab mIgG2a Antibody (3E5)	recommended for ADA assay
GM-89204AB	Anti-Lebrikizumab mIgG2a Antibody (6B2)	Non-Neutralizing
GM-89205AB	Anti-Lebrikizumab mIgG2a Antibody (1A11)	recommended for PK/PD
GM-89206AB	Biotinylated Anti-Lebrikizumab mIgG2a Antibody (11H8)	recommended for PK/PD

Version:3.1