

Product Sheet



Human CD8A Protein; His Tag

GM-88738RP-100 / 100 µg

GM-88738RP-1000 / 1 mg

Product Information

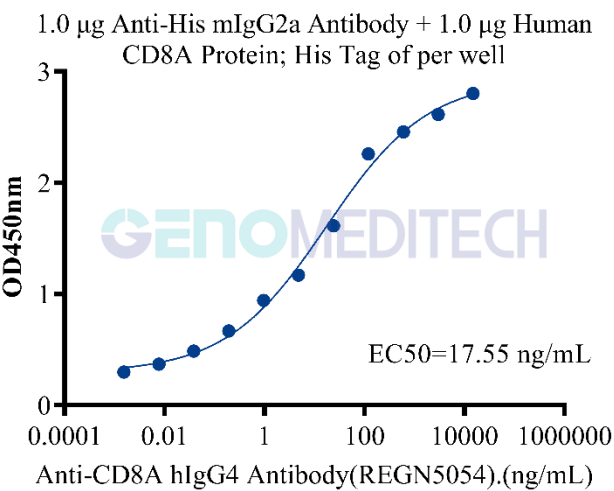
Product Name	Human CD8A Protein; His Tag
Source	Human CD8A Protein; His Tag (GM-88738RP) is expressed from human 293 cells (HEK-293). It contains AA Ser 22 - Asp 182 (Accession # P01732-1). This protein carries a His tag at the C-terminus.
Predicted MW	18.4 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/µg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 µm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70°C, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	CD8, Leu2, MAL, p32
Background	CD8A encodes the T-cell surface glycoprotein CD8 alpha chain, a 235-amino-acid type I transmembrane glycoprotein containing an extracellular immunoglobulin-like V-type domain, a transmembrane helix, and a cytoplasmic tail. On cytotoxic T lymphocytes, CD8A assembles into a disulfide-linked αβ heterodimer with CD8B; on NK cells and certain dendritic cell subsets it forms CD8αα homodimers. Through its CDR-like loop, CD8α engages the non-polymorphic α3 domain of MHC class I, stabilizing TCR–pMHC recognition and recruiting the Src-family kinase LCK to amplify T-cell activation. Crystal structures have defined its structural basis, and loss-of-function mutations cause CD8α deficiency (IMD116), predisposing carriers to severe recurrent respiratory infections.

Version 4.0.26.924

Data

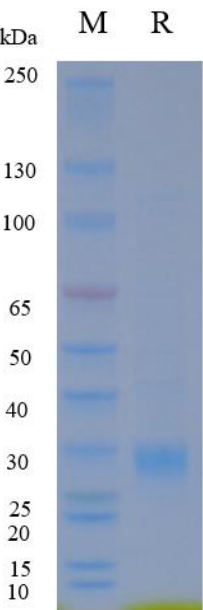
Affinity

Bioactivity-ELISA



Human CD8A Protein; His Tag (Catalog # GM-88738RP) was immobilized at 10 μ g/ml (100 μ L/well). Increasing concentrations of Anti-CD8A hIgG4 Antibody(REGN5054) (Catalog # GM-88299AB) were added.

Purity



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

Related Products

CD8	
Cynomolgus_CD8A CD8B CHO-K1 Cell Line	Cynomolgus_CD8A CD8B HEK-293 Cell Line
Cynomolgus_CD8A HEK-293 Cell Line	H_CD8A CD8B CHO-K1 Cell Line
H_CD8A CD8B HEK-293 Cell Line	H_CD8A CHO-K1 Cell Line

H_CD8A HEK-293 Cell Line	
Anti-CD8A hIgG4 Antibody(REGN5054)	Anti-CD8B hIgG1 Antibody(xhCD8v12)
Anti-mouse CD8B(Lyt 3.2) RIgG1 Antibody(53-5.8)	Anti-mouse CD8 α mIgG2a Antibody(53-6.7)