

Datasheet for ABIN7274259

CD8 alpha Protein (AA 22-182) (His-Avi Tag,Biotin)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CD8 alpha (CD8A)
Protein Characteristics:	AA 22-182
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD8 alpha protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human CD8 alpha/CD8A Protein
Sequence:	Ser22-Asp182
Characteristics:	Recombinant Biotinylated Human CD8 alpha/CD8A Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ser22-Asp182.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Anti-CD8 Antibody, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human CD8 alpha, His Tag with the EC50 of 6.0ng/ml determined by ELISA. See testing image for detail.

Target Details

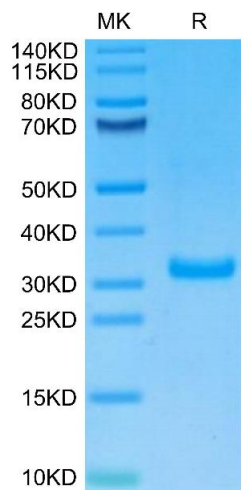
Target:	CD8 alpha (CD8A)
Alternative Name:	CD8 alpha (CD8A Products)
Background:	CD8 alpha enhances the responses of antigen-specific CTL activated through TCR through binding MHC class I, favoring lipid raft partitioning of TCR, and inducing intracellular signaling. CD8 alpha is also found on dendritic cells and rat macrophages, but whether CD8 alpha enhances responses of a partner receptor, like TCR, to activate these cells is not known.
Molecular Weight:	20.5 kDa. Due to glycosylation, the protein migrates to 30-38 kDa based on Tris-Bis PAGE result.
Pathways:	TCR Signaling

Application Details

Restrictions:	For Research Use only
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Handling

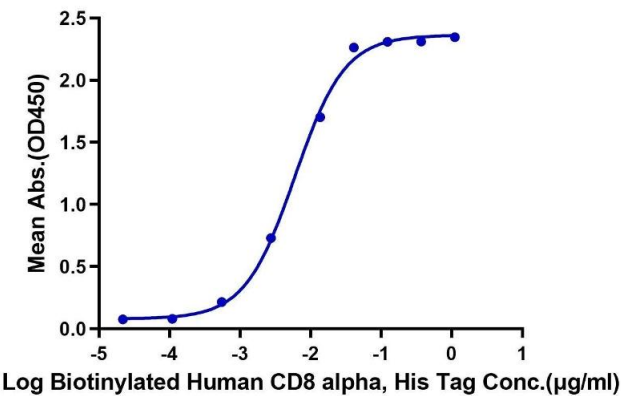
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Biotinylated Human CD8 alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Human CD8 alpha, His Tag ELISA
0.05µg Anti-CD8 Antibody, hFc Tag Per Well



ELISA

Image 2. Immobilized Anti-CD8 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human CD8 alpha, His Tag with the EC50 of 6.0 ng/mL determined by ELISA.