



Datasheet for ABIN7013442

CD8 Protein (CD8) (AA 22-182) (His tag)



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3 Images

Overview

Quantity:	100 µg
Target:	CD8
Protein Characteristics:	AA 22-182
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD8 protein is labelled with His tag.

Product Details

Characteristics:	Human CD8 alpha&beta (CD8A&CD8B) Heterodimer Protein, His Tag&Tag Free (MALS verified)
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD8
Alternative Name:	CD8 alpha & beta (CD8 Products)
Background:	Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. CD8A forms disulfide-linked heterodimers with CD8B at the cell surface. CD8A homodimer molecules also promote the survival and differentiation of activated lymphocytes into memory CD8 T-cells.

Target Details

Additionally, CD8B plays a critical role in thymic selection of CD8+ T-cells. A palmitoylation site in the cytoplasmic tail of CD8B chain contributes to partitioning of CD8 into the plasma membrane lipid rafts where signaling proteins are enriched.

Molecular Weight: 19.5 kDa (CD8A) & 22.1 kDa (CD8B)

Application Details

Application Notes: MALS verified

Restrictions: For Research Use only

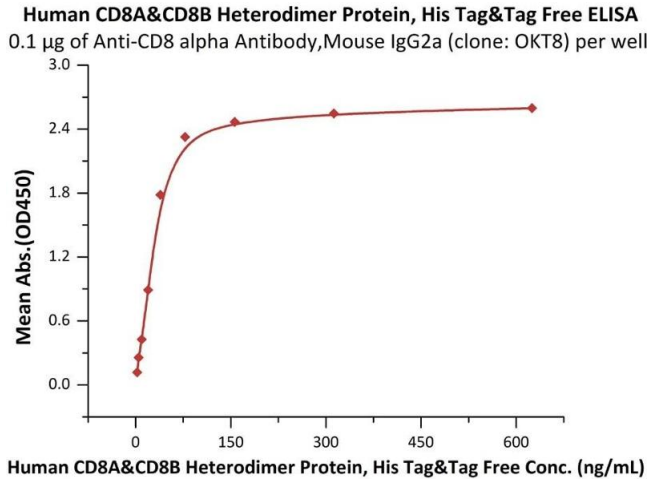
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Images

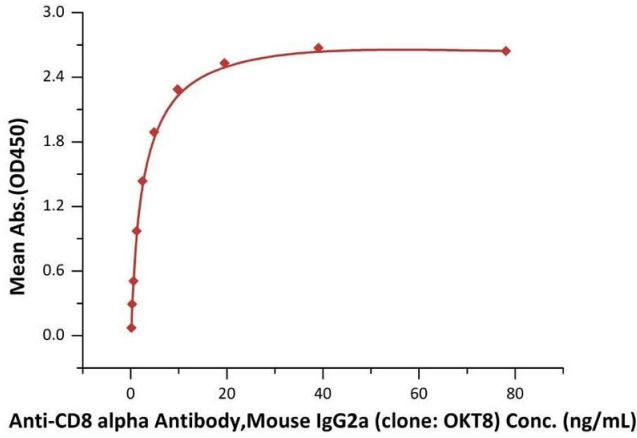


ELISA

Image 1. Immobilized Anti-CD8 alpha Antibody, Mouse IgG2a (clone: OKT8) at 1 µg/mL (100 µL/well) can bind Human CD8A&CD8B Heterodimer Protein, His Tag&Tag Free (ABIN6973026) with a linear range of 2-39 ng/mL (Routinely tested).

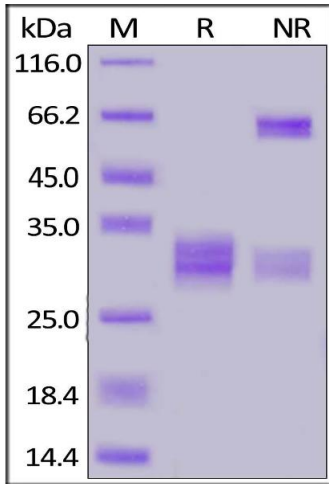
Human CD8A&CD8B Heterodimer Protein, His Tag&Tag Free ELISA

0.1 µg of Human CD8A&CD8B Heterodimer Protein, His Tag&Tag Free per well



ELISA

Image 2. Immobilized Human CD8A&CD8B Heterodimer Protein, His Tag&Tag Free (ABIN6973026) at 1 µg/mL (100 µL/well) can bind Anti-CD8 alpha Antibody, Mouse IgG2a (clone: OKT8) with a linear range of 0.2-5 ng/mL (QC tested).



SDS-PAGE

Image 3. Human CD8A&CD8B Heterodimer Protein, His Tag&Tag Free on under reducing (R) and ing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .