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Datasheet for ABIN7504279

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

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 tag.

Product Details

Purpose:	Human CD8 alpha/CD8A Protein
Sequence:	Ser22-Asp182
Characteristics:	Recombinant Human CD8 alpha/CD8A Protein is expressed from HEK293 with His 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.

Target Details

Target:	CD8 alpha (CD8A)
Alternative Name:	CD8 alpha (CD8A Products)

Target Details

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:	18.70 kDa. Due to glycosylation, the protein migrates to 28-35 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 0.22 µm 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