

# Mouse CD8 alpha/CD8A Protein

Cat. No. CD8-MM18A

## Description

<b>Source</b>	Recombinant Mouse CD8 alpha/CD8A Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Lys28-Tyr196.
<b>Accession</b>	P01731-1
<b>Molecular Weight</b>	The protein has a predicted MW of 20 kDa. Due to glycosylation, the protein migrates to 32-42 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

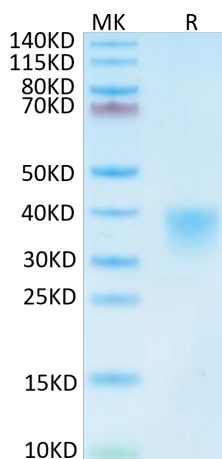
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

## 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.

## Assay Data

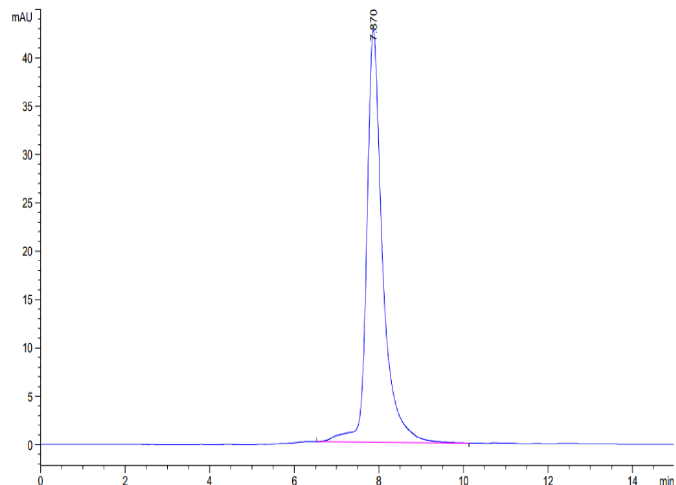
### Tris-Bis PAGE



Mouse CD8 alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Mouse CD8 alpha is greater than 95% as determined by SEC-HPLC.