

CD8 alpha&beta Heterodimer
Catalog # PVGS1918**Specification**

CD8 alpha&beta Heterodimer - Product Information

Primary Accession [P01732-1\(CD8 alpha\)&P10966-1\(CD8 beta\)](#)
Species
Human

Sequence

Ser22-Asp182(CD8 alpha) acidic tail and Leu22-Pro170(CD8 beta) basic tail

Purity

> 95% as determined by Bis-Tris PAGE
> 95% as determined by HPLC

Endotoxin Level

Less than 1EU per µg by the LAL method.

Biological Activity

Measured by its binding ability in a functional ELISA. Immobilized CD8 alpha&beta Heterodimer, His & Flag, Human at 2 µg/ml (100 µl/well) on the plate can bind Anti-CD8 Antibody, hFc Tag. Test result was comparable to standard batch.

Expression System

HEK293

Theoretical Molecular Weight

23.54 kDa (CD8 alpha) and 22.62 kDa (CD8 beta)

Formulation

Lyophilized from a 0.22 µm filtered solution in PBS, (pH 7.4).

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Storage & Stability

Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

CD8 alpha&beta Heterodimer - Additional Information**Target Background**

CD8 alpha&beta (CD8αβ) is a heterodimeric form of CD8. CD8α is required for surface expression of CD8β. The extracellular IgV-like domain of CD8α interacts with the α3 portion of the class I MHC molecule. CD8αβ is expressed on human peripheral T cells and functions as a coreceptor and can greatly increase the sensitivity and breadth of antigen recognition by CD8+ peripheral T cells bearing TCR.

CD8 alpha&beta Heterodimer - Protein Information

CD8 alpha&beta Heterodimer - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD8 alpha&beta Heterodimer - Images