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CD8 alpha&beta Heterodimer

Catalog # PVGS1918

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 g 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 g/ml (100 l/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 m filtered solution in PBS, (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 g/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.

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.

Protein Information