Biotinylated Human CD8 alpha&beta Heterodimer Protein

Catalog # CD8-HB002 Form: Lyophilized

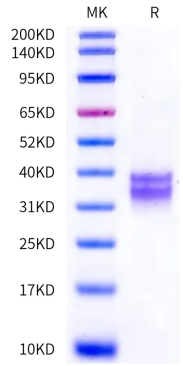
Product Details

Product description	Recombinant Biotinylated Human CD8 alpha&beta Heterodimer Protein is expressed as a heterodimer of CD8 alpha and CD8 beta by co-expression in HEK293. Subunit CD8 alpha is fused with a His tag and a Avi tag at the C-terminus and subunit CD8 beta is fused with a Flag tag at the C-terminus. It contains amino acid residues Ser22-Asp182 (CD8 alpha) acidic tail and Leu22-Pro170 (CD8 beta) basic tail (accession: P01732-1(CD8 alpha) & P10966-1(CD8 beta)).
Molecular aliases	CD8 alphaβ CD8A&CD8B;
Expression system	HEK293
Molecular weight	The protein has a predicted MW of 25.35 kDa (CD8 alpha) and 22.62 kDa (CD8 beta). Due to glycosylation, the protein migrates to 32-36 kDa and 38-45 kDa based on Bis-Tris PAGE result.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
Endotoxin	Less than 1 EU per μg by the LAL method.
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

Biotinylated Human CD8 alpha&beta Heterodimer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.