Active Recombinant Human CD8A&CD8B Heterodimer protein, His-Flag-tagged, Low Endotoxin

Cat. No. CD8A & CD8B-211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD8A&CD8B Heterodimer protein(P01732-1(CD8 alpha) & P10966-1(CD8 beta))(22-182 aa(CD8A) & 22-170 aa(CD8B)), fused with C-terminal His and Flag tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-182 aa(CD8A) & 22-170 aa(CD8B)
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD8A&CD8B, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-CD8 Antibody, hFc Tag with the EC50 of 11. 3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 23.54 kDa (CD8 alpha) and 22.62 kDa (CD8 beta). Due to glycosylation, the protein migrates to 32-38 kDa and 40-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC

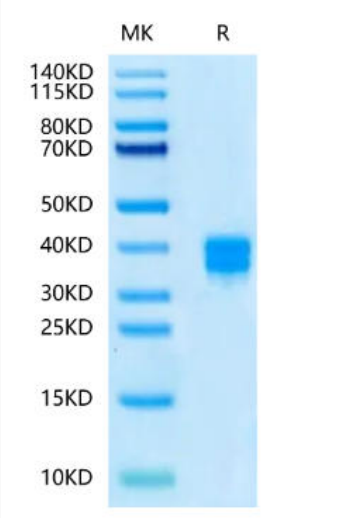
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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.

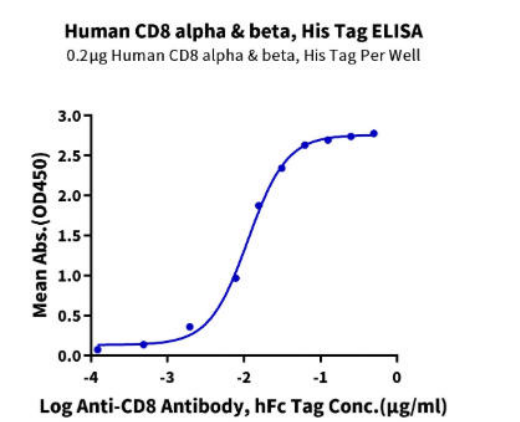
GENE INFORMATION

Gene Name	CD8A CD8a molecule [Homo sapiens]
Official Symbol	CD8A
Synonyms	CD8A; CD8a molecule; CD8, CD8 antigen, alpha polypeptide (p32) , T cell surface glycoprotein CD8 alpha chain; T-cell surface glycoprotein CD8 alpha chain; T8 T-cell antigen; T cell co-receptor; OKT8 T-cell antigen; T-cell antigen Leu2; Leu2 T-lymphocyte antigen; CD8 antigen, alpha polypeptide (p32); T-lymphocyte differentiation antigen T8/Leu-2; CD8; MAL; p32; Leu2;
Gene ID	925
mRNA Refseq	NM_001145873
Protein Refseq	NP_001139345
MIM	186910
UniProt ID	P01732
Gene Name 2	CD8B CD8b molecule [Homo sapiens]
Official Symbol 2	CD8B

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms 2	CD8B; CD8b molecule; CD8 antigen, beta polypeptide 1 (p37) , CD8B1; T-cell surface glycoprotein CD8 beta chain; CD8 antigen, beta polypeptide 1 (p37); T lymphocyte surface glycoprotein beta chain; LY3; P37; LEU2; LYT3; CD8B1; MGC119115;
Gene ID 2	926
mRNA Refseq 2	NM_001178100
Protein Refseq 2	NP_001171571
MIM 2	186730
UniProt ID 2	P10966
Bis-Tris PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

ELISA Data	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA