

Recombinant Mouse CD8A & CD8B Heterotrimer Protein (Met1-Tyr196 & Met1-Thr175), His-Flag-tagged

Cat. No. CC-1047M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD8A & CD8B Heterotrimer Protein (NP_001074579.1)(Met1-Tyr196) & (NP_033988.1)(Met1-Thr175) was produced by HEK293 Cells expression system. The CD8A protein was fused with a flag tag at the C-terminus, constructed the plasmid 1. The CD8B protein was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the mouse CD8A&CD8B heterodimer was purified.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Tyr196 & Met1-Thr175
Predicted N Terminal	Lys 28 & Leu 22
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant heterodimer of mouse CD8A&CD8B comprises 405 (210+195) amino acids and has a calculated molecular mass of 45.9 (23.7+22.2) KDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Cd8a CD8 antigen, alpha chain [Mus musculus] & Cd8b1 CD8 antigen, beta chain 1 [Mus musculus (house mouse)]
Official Symbol	CD8A & CD8B
Synonyms	CD8A; Ly-2; Ly-B; Ly-35; Lyt-2; BB154331 & Cd8b; Ly-3; Ly-C; Lyt-3
Gene ID	12525 & 12526
mRNA Refseq	NM_001081110 & NM_009858
Protein Refseq	NP_001074579 & NP_033988
UniProt ID	&

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