

Recombinant Mouse CD3D & CD3E Protein, Flag & His-tagged

Cat. No. CD3D & CD3E-1251M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain (Met 1-Ala 105) of mouse CD3D (P04235) was fused with a flag tag at the C-terminus, constructed the plasmid 1; Recombinant extracellular domain (Met 1-Asp 108) of mouse CD3E (P22646) was fused with a polyhistidine tag at t
Species	Mouse
Source	HEK293
ProteinLength	1-105;1-108 a.a.
Predicted N Terminal	Phe 22 & Asp 22
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant heterodimer of mouse CD3D/CD3E comprises 254 (126+128) amino acids and has a calculated molecular mass of 29.2 (14.3+14.9) KDa. As a result of glycosylation, the apparent molecular mass of mouse CD3D/CD3E heterodimer is approximately 20 and 22 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	(42.3+45.3) % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. 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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cd3d CD3 antigen, delta polypeptide [<i>Mus musculus</i>]
Official Symbol	CD3D
Synonyms	CD3D; CD3 antigen, delta polypeptide; T-cell surface glycoprotein CD3 delta chain; T-cell receptor T3 delta chain; T3d;
Gene ID	12500
mRNA Refseq	NM_013487
Protein Refseq	NP_038515
MIM	
UniProt ID	
Pathway	Adaptive Immune System, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Dow

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Function

protein binding; protein heterodimerization activity; receptor activity; transmembrane signaling receptor activity;

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