

Recombinant Mouse CD3D & CD3E protein(Met1-Ala105 & Met1-Asp108), His-Fc&Flag-Fc-tagged

Cat. No. CD3D & CD3E-1325M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD3D (P04235)(Met1-Ala105) was fused with the C-terminal his-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; Recombinant Mouse CD3E (P22646)(Met1-Asp108) was fused with the C-terminal flag-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the Mouse CD3D/CD3E heterodimer was purified and expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ala105 & Met1-Asp108
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 CD3D/CD3E comprises 669 (334+335) amino acids and has a calculated molecular mass of 75.4 (37.5+37.9) kDa. As a result of glycosylation, the apparent molecular mass of Mouse CD3D/CD3E heterodimer is approximately 36-55 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Cd3d CD3 antigen, delta polypeptide [*Mus musculus*]

Official Symbol CD3D; CD3E

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

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