# 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

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| **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

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| **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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