

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

Cat. No. CD3E&CD3D-1291M Lot. No. (See product label)

### SPECIFICATION

**Product Overview**

Recombinant Mouse CD3D (P04235)(Met 1-Ala 105) was fused with the C-terminal flag-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; Recombinant Mouse CD3E (P22646)(Met 1-Asp 108) was fused with the C-terminal His-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 670 (333+337) amino acids and has a calculated molecular mass of 76 (38+38) kDa. As a result of glycosylation, the apparent molecular mass of Mouse CD3D/CD3E heterodimer is approximately 45-50 kDa in SDS-PAGE under reducing conditions.

**Endotoxin** < 1.0 EU per µg of the 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** [Cd3e CD3 antigen, epsilon polypeptide \[ Mus musculus \]](#)

**Official Symbol** [CD3E; CD3D](#)

**Synonyms** CD3E; CD3 antigen, epsilon polypeptide; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3; T3e; AI504783; CD3epsilon;

**Gene ID** [12501](#)

**mRNA Refseq** [NM\\_007648](#)

**Protein Refseq** [NP\\_031674](#)

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