

Active Recombinant Mouse CD3E & CD3G protein, His &Flag-tagged

Cat. No. CD3E & CD3G-3038M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD3E&CD3G protein(Asp 23-Asp 108 (CD3E) & Gln 23-Ser 116 (CD3G)), fused with His and Flag tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Asp 23-Asp 108 (CD3E) & Gln 23-Ser 116 (CD3G)
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Mouse CD3 epsilon&CD3 gamma Heterodimer Protein, His Tag&Flag Tag at 1 µg/mL (100 µL/well) can bind CD3e Monoclonal Antibody (145-2C11) with a linear range of 0.1-4ng/mL.
Molecular Mass	Mouse CD3 epsilon&CD3 gamma Heterodimer Protein, His Tag&Flag Tag is produced by co-expression of CD3E and CD3G, has a calculated MW of 15.1 kDa (CD3E) and 15.2 kDa (CD3D). Subunit CD3E is fused with a polyhistidine tag at the C-terminus and subunit CD3G is fused with a flag tag at the C-terminus. As a result of glycosylation, the protein migrates as 19-22 kDa under reducing (R) condition, and 35 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/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
Synonyms	CD3E; CD3 antigen, epsilon polypeptide; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3; T3e; A1504783; CD3epsilon;
Gene ID	12501
mRNA Refseq	NM_007648
Protein Refseq	NP_031674

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA