

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

Cat. No. CD3E & CD3G-3036M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse CD3E&CD3G protein(Asp 23-Asp 108 (CD3E) & Gln 23-Ser 116 (CD3G)), fused with His-Avi 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 CD3E Monoclonal Antibody (145-2C11) at 1 µg/mL (100 µL/well) can bind Biotinylated Mouse CD3E&CD3G Heterodimer Protein, His,Avitag&Flag Tag with a linear range of 5-78 ng/mL.
Molecular Mass	Biotinylated Mouse CD3E&CD3G Heterodimer Protein, His,Avitag&Flag Tag is produced by co-expression of CD3E and CD3G, has a calculated MW of 16.8 kDa (CD3E) and 15.2 kDa (CD3G). Subunit CD3E carries a polyhistidine tag at the C-terminus, followed by an Avi tag and subunit CD3G is fused with a flag tag at the C-terminus. As a result of glycosylation, the protein migrates as 20-23 kDa under reducing (R) condition, and 35-40 kDa under non-reducing (NR) condition (SDS-PAGE).

 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

Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Cd3e CD3 antigen, epsilon polypeptide [<i>Mus musculus</i>]
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; AI504783; CD3epsilon;
Gene ID	12501
mRNA Refseq	NM_007648
Protein Refseq	NP_031674

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