Recombinant Mouse CD3E & CD3D protein, His-Avi-tagged & Tag Free, Biotinylated

Cat. No. CD3E & CD3D-646MB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Mouse CD3E&CD3D Heterodimer Protein, His,Avitag&Tag Free is expressed from human HEK293 cells. It contains AA Asp 23 - Asp 108 (CD3E) & Phe 22 - Ala 105 (CD3D) (Accession # P22646-1(CD3E) & P04235-1(CD3D)). It is the biotinylated form of Mouse CD3 epsilon & CD3 delta Protein.
Species	Mouse
Source	HEK293
ProteinLength	Asp 23 - Asp 108 (CD3E) & Phe 22 - Ala 105 (CD3D)
Description	T-cell surface glycoprotein CD3 delta & CD3 epsilon chain, also known as CD3D & CD3E or CD3D&CD3E respectively, are single-pass type I membrane proteins. CD3D, together with CD3- epsilon(CD3E), CD3-gamma and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. T cell receptor-CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.
Predicted N Terminal	Asp 23 (CD3E) & Phe 22 (CD3D)
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	Biotinylated Mouse CD3E&CD3D Heterodimer Protein, His,Avitag&Tag Free is

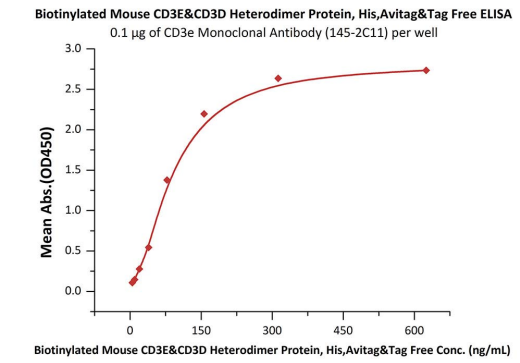
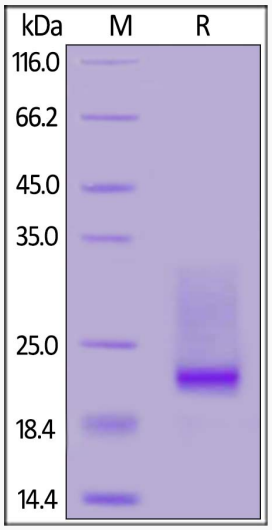
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	produced by co-expression of CD3E and CD3D, has a calculated MW of 17.3 kDa (CD3E) and 13.3 kDa (CD3D). Subunit CD3E is fused with a polyhistidine tag and followed by an Avi tag and subunit CD3D contains no tag at the C-terminus. The reducing (R) heterodimer protein migrates as 20-22 kDa due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% 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 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Cd3e CD3 antigen, epsilon polypeptide [Mus musculus (house mouse)]
Official Symbol	CD3E; CD3D
Synonyms	CD3E & CD3D, CD3 delta & CD3 epsilon, CD3 delta/epsilon
Gene ID	12501

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mRNA Refseq	NM_007648.5
Protein Refseq	NP_031674.1
UniProt ID	P22646
Bioactivity-ELISA of CD3E & CD3D-646MB	
SDS-PAGE of CD3E & CD3D-646MB	

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