Recombinant Human CD3E & CD3D protein, Fc-His-Avi-tagged & Fc-Flag-Avi-tagged, Biotinylated

Cat. No. CD3E & CD3D-766HB **Lot. No.** (See product label)

SPECIFICATION

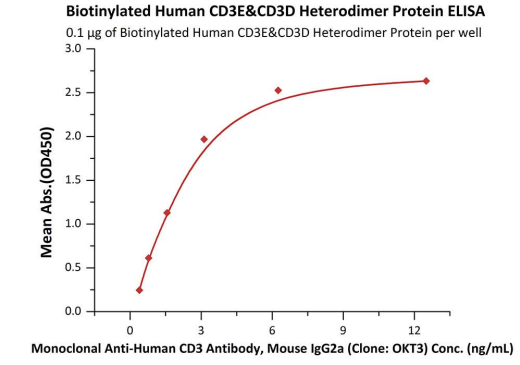
Product Overview	Biotinylated Human CD3E&CD3D Heterodimer Protein, Fc,His,Avitag&Fc,Flag,Avitag is expressed from human HEK293 cells. It contains AA Asp 23 - Asp 126 (CD3E) & Phe 22 - Ala 105 (CD3D) (Accession # P07766-1(CD3E) & P04234-1(CD3D)). It is the biotinylated form of Human CD3 epsilon & CD3 delta Protein.
Species	Human
Source	HEK293
ProteinLength	Asp 23 - Asp 126 (CD3E) & Phe 22 - Ala 105 (CD3D)
Description	Biotinylated Human CD3E&CD3D Heterodimer Protein, Fc,His,Avitag&Fc,Flag,Avitag is produced by co-expression of CD3E and CD3D, has a calculated MW of 45.1kDa (CD3E) & 42.6 kDa (CD3D). Subunit CD3E is fused with a human IgG1 Fc fragment at the C-terminus, followed by an Avi tag (Avitag™), the polyhistidine tag is inserted in-between the Fc and Avi tags at the C-terminus and subunit CD3D contains a human IgG1 Fc fragment at the C-terminus, followed by an Avi tag (Avitag™), the flag tag is inserted in-between the Fc and Avi tags at the C-terminus. As a result of glycosylation, the heterodimer protein migrates as 50-60 kDa under reducing (R) condition.
Predicted N Terminal	Asp 23 (CD3E) & Phe 22 (CD3D)
Form	Lyophilized from 0.22

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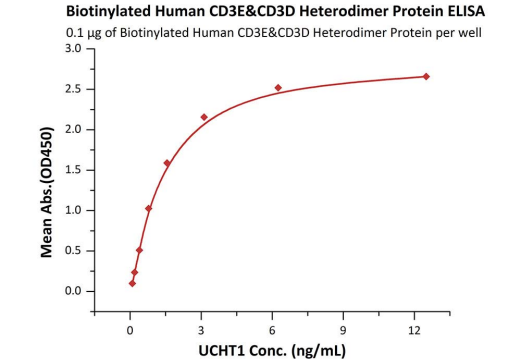
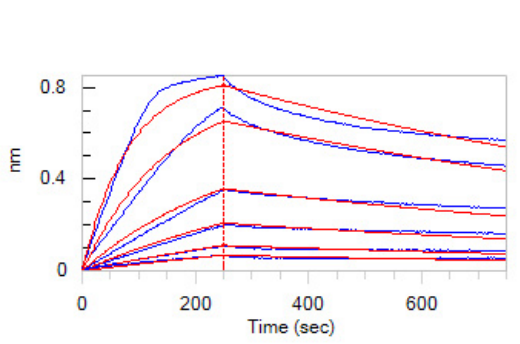
	μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	Biotinylated Human CD3E&CD3D Heterodimer Protein, Fc,His,Avitag&Fc,Flag,Avitag is produced by co-expression of CD3E and CD3D, has a calculated MW of 45.1kDa (CD3E) & 42.6 kDa (CD3D). Subunit CD3E is fused with a human IgG1 Fc fragment at the C-terminus, followed by an Avi tag, the polyhistidine tag is inserted in-between the Fc and Avi tags at the C-terminus and subunit CD3D contains a human IgG1 Fc fragment at the C-terminus, followed by an Avi tag, the flag tag is inserted in-between the Fc and Avi tags at the C-terminus. As a result of glycosylation, the heterodimer protein migrates as 50-60 kDa under reducing (R) condition.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% 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 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

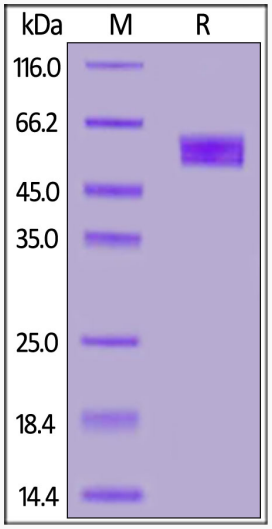
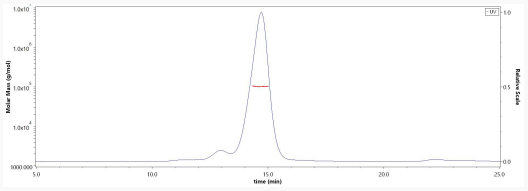
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Gene Name	Cd3e CD3 antigen, epsilon polypeptide [Mus musculus (house mouse)]
Official Symbol	CD3E; CD3D
Synonyms	CD3E & CD3D; CD3 delta & CD3 epsilon; CD3 delta / epsilon
Gene ID	12501
mRNA Refseq	NM_007648.5
Protein Refseq	NP_031674.1
UniProt ID	P22646
Bioactivity-ELISA of CD3E & CD3D-766HB	

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Bioactivity-ELISA of CD3E & CD3D-766HB	
Bioactivity-BLI of CD3E & CD3D-766HB	

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SDS-PAGE of CD3E & CD3D-766HB	
SEC-MALS of CD3E & CD3D-766HB	

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