Recombinant Human CD3E&CD3D protein, hFc-Avi-tagged, Biotinylated

Cat. No. CD3E & CD3D-378H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD3E&CD3D protein(P07766(CD3E)&P04234(CD3D))(Asp23-Asp126(CD3E) & Phe22-Ala105(CD3D)), fused with C-terminal hFc-Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Asp23-Asp126(CD3E) & Phe22-Ala105(CD3D)
Tag	C-hFc-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CD3E&CD3D, hFc Tag at 1μg/ml (100μl/Well) on streptavidin (5μg/ml) precoated plate. Dose response curve for OKT3, mFc Tag with the EC50 of 42.1ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 40 kDa (CD3E) and 35.4 kDa (CD3D). Due to glycosylation, the protein migrates to 48-60 kDa based on Tris-Bis PAGE result.

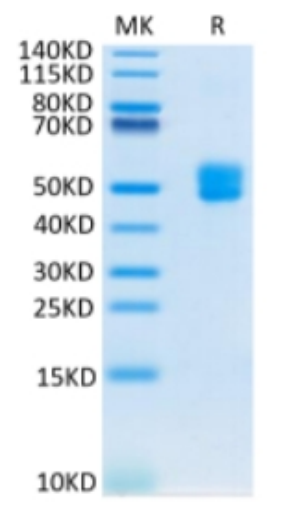
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Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GeneID 2	915
Conjugation	Biotin

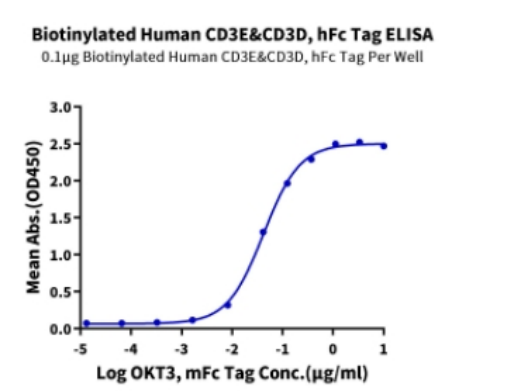
GENE INFORMATION

Gene Name	CD3E CD3e molecule, epsilon (CD3-TCR complex) [Homo sapiens]
Official Symbol	CD3E
Synonyms	CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex, epsilon subunit of T3; T3E; TCRE; FLJ18683;
Gene ID	916
mRNA Refseq	NM_000733
Protein Refseq	NP_000724

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UniProt ID	P07766
Gene Name 2	CD3D CD3d molecule, delta (CD3-TCR complex) [Homo sapiens]
Official Symbol 2	CD3D
Synonyms 2	CD3D; CD3d molecule, delta (CD3-TCR complex); CD3d antigen, delta polypeptide (TiT3 complex) , T3D; T-cell surface glycoprotein CD3 delta chain; CD3 delta; OKT3, delta chain; CD3 antigen, delta subunit; T-cell receptor T3 delta chain; CD3d antigen, delta polypeptide (TiT3 complex); T3D; CD3-DELTA;
mRNA Refseq 2	NM_000732
Protein Refseq 2	NP_000723
UniProt ID 2	P04234
MIM	186790
Tris-Bis PAGE	

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ELISA Data	

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