

Active Recombinant Human CD3E & CD3D protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. CD3E & CD3D-3463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD3E & CD3D protein(P07766(CD3E) & P04234(CD3D))(23-126 aa(CD3E) & 22-105 aa(CD3D)), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-126 aa(CD3E) & 22-105 aa(CD3D)
Conjugation/Label	Biotin
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CD3E&CD3D, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for OKT3, mFc Tag with the EC50 of 0.11µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 17.9 kDa (CD3E) and 18.52 kDa (CD3D). Due to glycosylation, the protein migrates to 23-27 kDa and 32-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per

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	µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

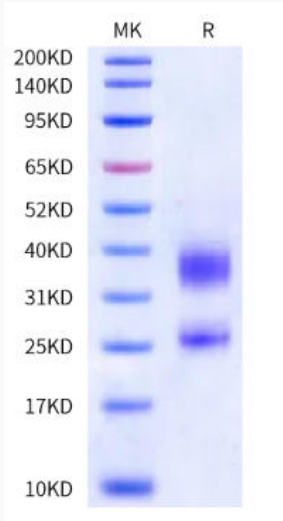
GENE INFORMATION

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
UniProt ID	P07766
Gene Name 2	CD3D CD3d molecule, delta (CD3-TCR complex) [Homo sapiens]

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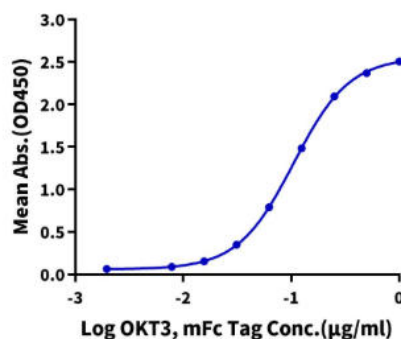
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Official Symbol 2	CD3D
Synonyms 2	CD3D; CD3d molecule, delta (CD3-TCR complex); CD3d antigen, delta polypeptide (TiT3 complex) , T3D; T-cell surface glycoprotein CD3 delta chain; CD3 delta; OKT3, delta chain; CD3 antigen, delta subunit; T-cell receptor T3 delta chain; CD3d antigen, delta polypeptide (TiT3 complex); T3D; CD3-DELTA;
Gene ID 2	915
mRNA Refseq 2	NM_000732
Protein Refseq 2	NP_000723
MIM 2	186790
UniProt ID 2	P04234
Bis-Tris PAGE	

ELISA Data

Biotinylated Human CD3E&CD3D, His Avi Tag ELISA

0.05µg Biotinylated Human CD3E&CD3D, His Avi Tag Per Well



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