

Active Recombinant Human CD3E & CD3D Protein, His-Avi-tagged, Biotinylated

Cat. No. CD3E & CD3D-377H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Active Recombinant Human CD3E & CD3D Protein(Asp 23-Asp 126&Phe 22-Ala 105)(P07766-1&P04234-1), fused with a polyhistidine tag and an Avi tag at the C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Asp 23-Asp 126&Phe 22-Ala 105
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH7.4, 10% Trehalose.
Bio-activity	Immobilized OKT3 at 10 µg/mL (100 µL/well) can bind Biotinylated Human CD3E & CD3D with a linear range of 0.156-5 ug/mL.
Molecular Mass	Protein is produced by co-expression of CD3E and CD3D, has a calculated MW of 18.7 kDa (CD3E) and 13.5 kDa (CD3D).
Endotoxin	<1.0 EU per µg of the protein as determined by the LAL method.

 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

Purity	> 90% as determined by SDS-PAGE and SEC-HPLC.
Storage	Store it under sterile conditions at -20 to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.385 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
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
UniProt ID	P07766

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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

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