

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

Cat. No. CD3E & CD3D-376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD3E & CD3D protein(P07766(CD3E) & P04234(CD3D))(Asp23-Asp126 (CD3E) and Phe22-Ala105 (CD3D)) is expressed from HEK293 with His tag at the C-Terminus.
Species	Human
Source	HEK293
ProteinLength	23-126 aa(CD3E) & 22-105 aa(CD3D)
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Human CD3E&CD3D, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for OKT3, mFc Tag with the EC50 of 39.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 17.9 kDa (CD3E) and 16.7 kDa (CD3D). Due to glycosylation, the protein migrates to 32-42 kDa and 25-28 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per 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

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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]

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,

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delta polypeptide (TiT3 complex); T3D; CD3-DELTA;

Gene ID 2 915

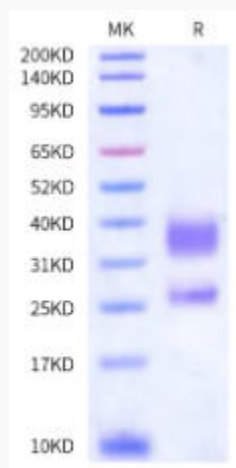
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Protein Refseq 2 NP_000723

MIM 2 186790

UniProt ID 2 P04234

Bis-Tris PAGE

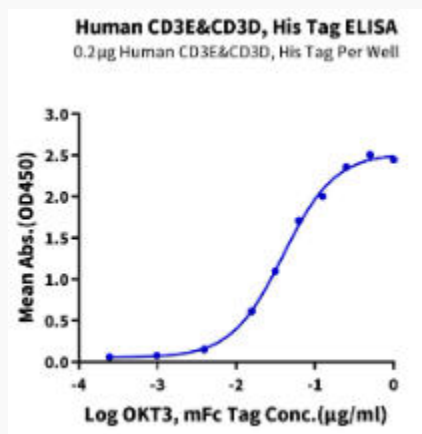


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ELISA Data



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