

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

Cat. No. CD3E&CD3D-3522H **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 hFc (IgG1) 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, hFc Tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Anti-CD3E&CD3D Ab.1, hFc Tag with the EC50 of 31.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 37.8 kDa (CD3E) and 35.4 kDa (CD3D). Due to glycosylation, the protein migrates to 48-58 kDa (CD3E) and 42-48 kDa (CD3D) 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 > 90% as determined by HPLC

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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]

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,

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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

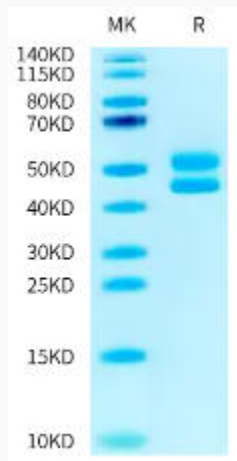
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Protein Refseq 2 NP_000723

MIM 2 186790

UniProt ID 2 P04234

Bis-Tris PAGE

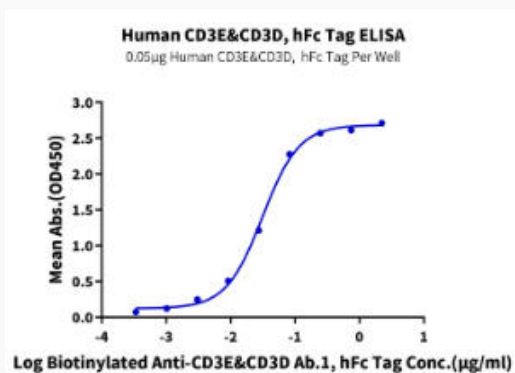


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ELISA Data



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