

Active Recombinant Human CD3E & CD3D protein, His-tagged

Cat. No. CD3E & CD3D-203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD3E & CD3D protein(P07766(CD3E)&P04234(CD3D))(Asp23-Glu120 (CD3E)&Phe22-Ala105 (CD3D)) is expressed from Expi293 with His tag at the C-terminal.
Species	Human
Source	HEK293
ProteinLength	Asp23-Glu120 (CD3E)&Phe22-Ala105 (CD3D)
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD3E&CD3D at 2µg/ml (100µl/Well) on the plate. Dose response curve for OKT3, mFc Tag with the EC50 of 38ng/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 35-42 kDa and 25 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

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Storage

-20 to -80°C for 12 months as supplied from date of receipt.
 -20 to -80°C for 3-6 months in unopened state after reconstitution.
 2-8°C for 2-7 days after reconstitution.
 Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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.

GENE INFORMATION

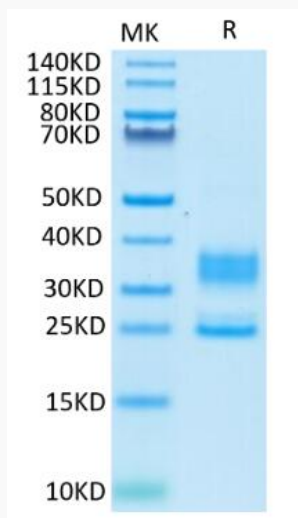
Gene Name	CD3E CD3e molecule, epsilon (CD3-TCR complex) [Homo sapiens]
Official Symbol	CD3E; CD3D
Synonyms	CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon 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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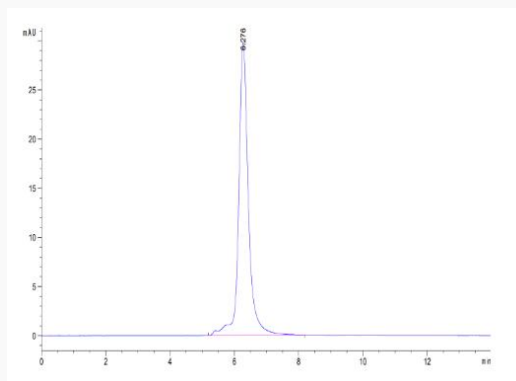
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SDS-PAGE



SEC-HPLC

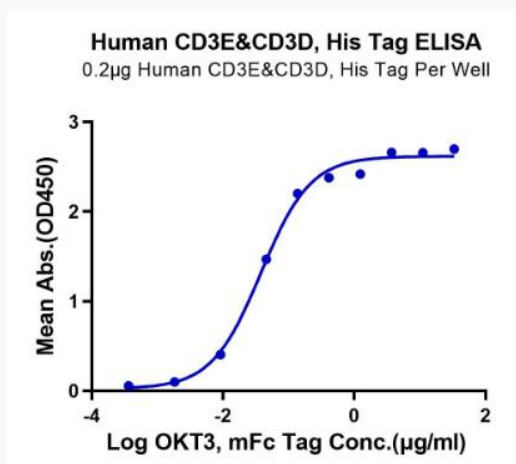


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ELISA Data



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