

Recombinant Human CD3E&CD3G protein, hFc-Avi-tagged

Cat. No. CD3E&CD3G-793HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD3E&CD3G protein(P07766(CD3E)&P09693(CD3G))(Asp23-Asp126(CD3E) & Gln23-Ser116(CD3G)), fused with C-terminal hFc-Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Asp23-Asp126(CD3E) & Gln23-Ser116(CD3G)
Tag	C-hFc-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CD3E&CD3G, hFc Tag at 1µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for OKT3, mFc Tag with the EC50 of 30.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 40 kDa (CD3E) and 36.5 kDa (CD3G). Due to glycosylation, the protein migrates to 48-55 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.

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Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated 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.
GeneID 2	917

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	CD3G CD3g molecule, gamma (CD3-TCR complex) [Homo sapiens]

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Official Symbol 2 [CD3G](#)

Synonyms 2

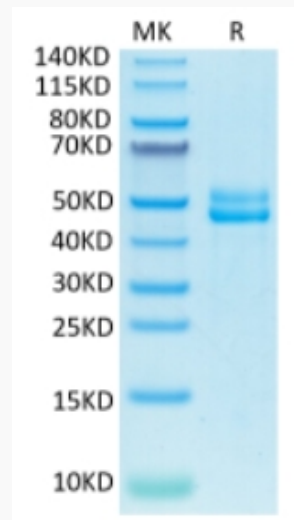
CD3G; CD3g molecule, gamma (CD3-TCR complex); CD3g antigen, gamma polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 gamma chain; T-cell receptor T3 gamma chain; CD3g molecule, epsilon (CD3-TCR complex); T-cell antigen receptor complex, gamma subunit of T3; T3G; CD3-GAMMA; FLJ17620; FLJ17664; FLJ79544; FLJ94613; MGC138597;

mRNA Refseq 2 [NM_000073](#)

Protein Refseq 2 [NP_000064](#)

UniProt ID 2 [P09693](#)

Tris-Bis PAGE

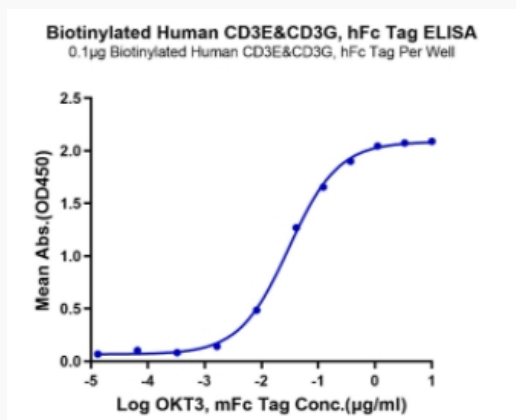


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ELISA Data



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