Active Recombinant Human CD3E & CD3G protein, His-Avi-tagged, Biotinylated

Cat. No. CD3E & CD3G-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CD3E&CD3G Heterodimer Protein, His,Avitag&Tag Free is expressed from human 293 cells (HEK293). It contains AA Asp 23 - Asp 126 (CD3E) & Gln 23 - Ser 116 (CD3G) (Accession # NP_000724.1(CD3E) & AAI13831(CD3G)).
Species	Human
Source	HEK293
ProteinLength	Asp 23 - Asp 126 (CD3E) & Gln 23 - Ser 116 (CD3G)
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Mouse Anti-Human CD3 (SP34-2) at 1 μg/mL (100 μL/well) can bind Biotinylated Human CD3E&CD3G Heterodimer Protein, His,Avitag&Tag Free with a linear range of 0.016-0.25 μg/mL.
Molecular Mass	The protein has a calculated MW of 18.6 kDa (CD3E) and 14.7 kDa (CD3G). Subunit CD3E is fused with a polyhistidine tag at the C-terminus, followed by an Avi tag and subunit CD3G contains no tag at the C-terminus. The reducing (R) heterodimer protein migrates as 22 kDa and 24-30 kDa due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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	>90% as determined by SEC-MALS.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.
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

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UniProt ID	P07766

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