

Recombinant Human CD3D&CD3E protein, Fc-Avi-tagged, Biotinylated

Cat. No. CD3D&CD3E-234HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CD3 epsilon & CD3 delta Heterodimer Protein is expressed from mammalian with a Fc and Avi Tag at the C-terminal. It contains Asp 23-Asp 126 (CD3E) & Phe22-Ala105 (CD3D).
Species	Human
Source	HEK293
ProteinLength	Asp 23-Asp 126 (CD3E) & Phe22-Ala105 (CD3D)
Description	T-cell surface glycoprotein CD3 epsilon & CD3 delta chain, also known as CD3E & CD3D , are singlepass type I membrane proteins. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a calculated MW of 40 kDa (CD3E) and 35.4 kDa(CD3D).As a result of glycosylation, the protein migrates to 48-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.05EU per ug by the LAL method.

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Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

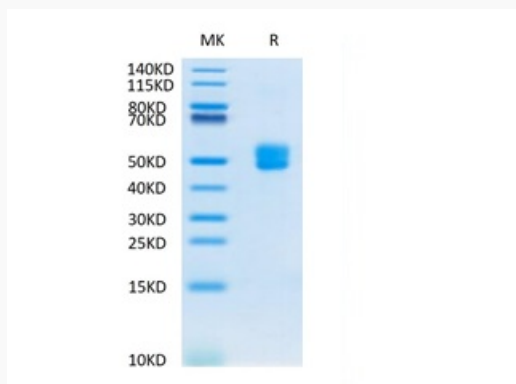
Gene Name	CD3D&CD3E
Official Symbol	CD3D&CD3E
Synonyms	CD3; CD3D; CD3-DELTA; T3D; CD3E
Gene ID	915 & 916
mRNA Refseq	NM_000732.6 & NM_000733.4
Protein Refseq	NP_000723.1 & NP_000724.1
MIM	186790 & 186830
UniProt ID	P04234 & P07766

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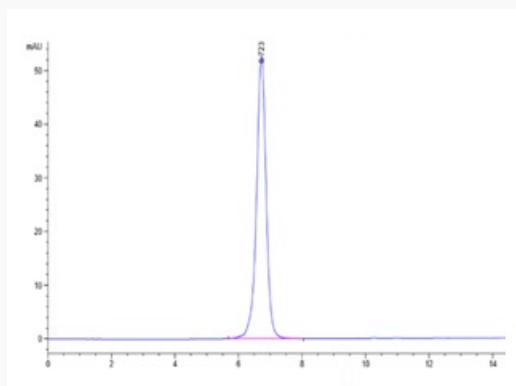
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**Tris-Bis PAGE of
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**SEC-HPLC of
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**ELISA data of
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