

Active Recombinant Human CD3E protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. CD3E-2193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD3E protein(P07766)(23-126 aa), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-126 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CD3E, His-Avi Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-CD3 Antibody, hFc Tag with the EC50 of 5.8ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 14.66 kDa. Due to glycosylation, the protein migrates to 16-20 kDa 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at -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

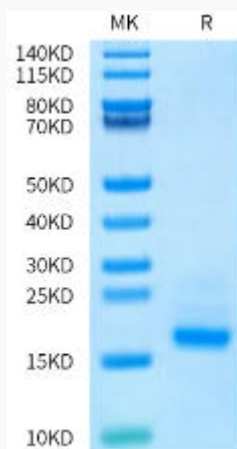
UniProt ID P07766

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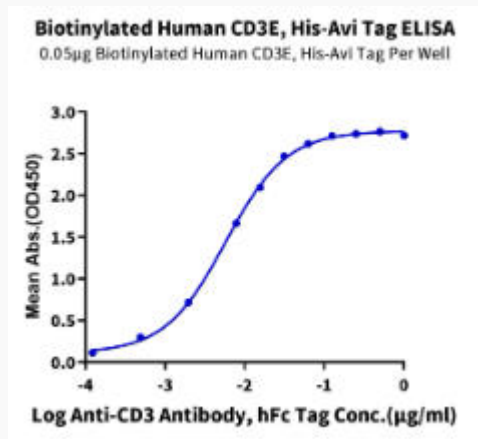
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Bis-Tris PAGE



ELISA Data



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