

Active Recombinant Human CD5 protein, His-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. CD5-103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD5 protein(P06127)(25-372 aa), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-372 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 CD5, His Avi Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD5 Antibody, hFc Tag with the EC50 of 13.8ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 41.54 kDa. Due to glycosylation, the protein migrates to 50-60 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; > 95% as determined by HPLC

 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 CD5 CD5 molecule [Homo sapiens]

Official Symbol CD5

Synonyms CD5; CD5 molecule; CD5 antigen (p56 62), LEU1; T-cell surface glycoprotein CD5; T1; CD5 antigen (p56-62); lymphocyte antigen T1/Leu-1; LEU1;

Gene ID 921

mRNA Refseq NM_014207

Protein Refseq NP_055022

MIM 153340

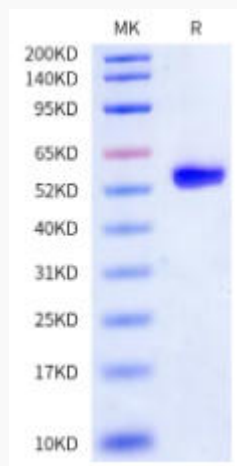
UniProt ID P06127

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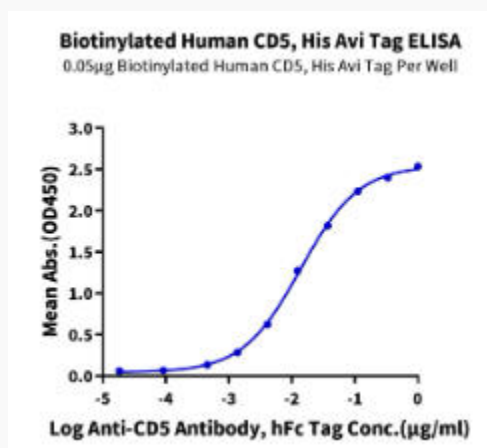
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Bis-Tris PAGE



ELISA Data



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