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CD5 Protein (CD5) (Fc-Avi Tag,Biotin)



Images



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Quantity:	100 μg
Target:	CD5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD5 protein is labelled with Fc-Avi Tag,Biotin.

Product Details

Sequence:	Arg25-Asn371
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 μm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.
Biological Activity Comment:	Immobilized Anti-CD5 Antibody, hFc Tag at $1\mu g/ml$ ($100\mu l/well$) on the plate. Dose response curve for Biotinylated Human CD5, hFc Tag with the EC50 of 16.0ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CD5
Alternative Name:	CD5 (CD5 Products)
Background:	CD5 Molecule, CD5, LEU1, T1, CD5 antigen, CD5: a type I transmembrane protein found on T
	cells, thymocytes, and some B cells that is a ligand for CD72 and is involved in cellular

Target Details

	activation or adhesion, expressed in B-cell chronic lymphocytic leukemia and T-cell lymphoma.
Molecular Weight:	67.1 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
UniProt:	P06127

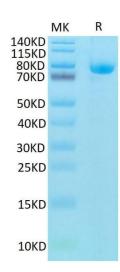
Application Details

Restrictions: For Research Use only

Handling

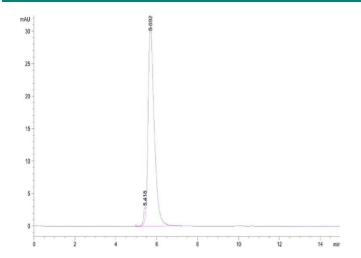
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



SDS-PAGE

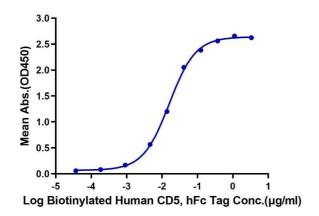
 $\label{eq:mage 1.} \textbf{Biotinylated Human CD5 on Tris-Bis PAGE under}$ reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human CD5 is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human CD5, hFc Tag ELISA 0.1µg Anti-CD5 Antibody, hFc Tag Per Well



ELISA

Image 3. Immobilized Anti-CD5 Antibody, hFc Tag at 1 μ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Human CD5, hFc Tag with the EC50 of 16.0 ng/mL determined by ELISA.