

Biotinylated Human CD5 Protein, hFc-Avi Tag

产品信息

产品名称	产品编号	规格
	93160ES60	100 µg
Biotinylated Human CD5 Protein, hFc-Avi Tag	93160ES76	500 µg
	93160ES80	1 mg

产品描述

CD5, also known as Leu-1, Ly-1, and T1, is a 67 kDa transmembrane glycoprotein in the scavenger receptor superfamily. CD5 has been shown to interact homophilically, with CD72 on B cells, and with beta-glucan components of fungal cell walls. CD5 expression on developing thymocytes is positively regulated by signaling through the T cell antigen receptor (TCR) and is up-regulated on tolerized peripheral CD4+ cells. It inhibits TCR signaling and promotes T cell nonresponsiveness and survival. CD5 signaling inhibits the generation of regulatory T cells but promotes the development of Th17 cells. Within the B cell lineage, CD5 is expressed on B-1a cells, anergic B cells, and IL-10 producing regulatory B cells. B cells can produce an intracellularly-retained form of CD5 which lacks the signal peptide and a portion of the first SRCR domain. CD5 is also involved in the cellular entry of hepatitis C virus into T cells.

产品性质

Synonyms	CD5 molecule; CD5; LEU1; T1; CD5 antigen
Uniprot No.	P06127
Source	Recombinant Biotinylated Human CD5 Protein is expressed from HEK293 Cells with hFc tag and Avi tag at the C-terminal. It contains Arg25-Asn371.
Molecular Weight	The protein has a predicted MW of 67.1 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% as determined by SDS-PAGE and HPLC
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

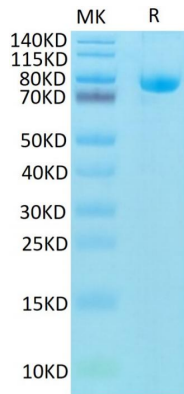
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

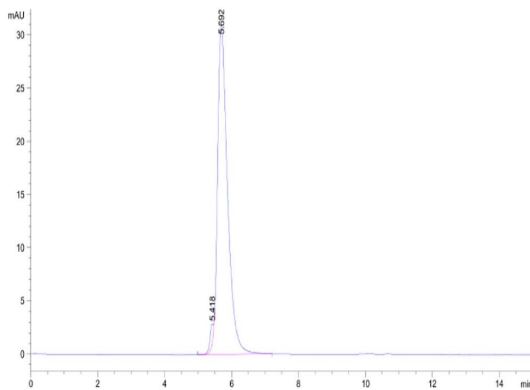
产品数据

Tris-Bis PAGE



Biotinylated Human CD5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

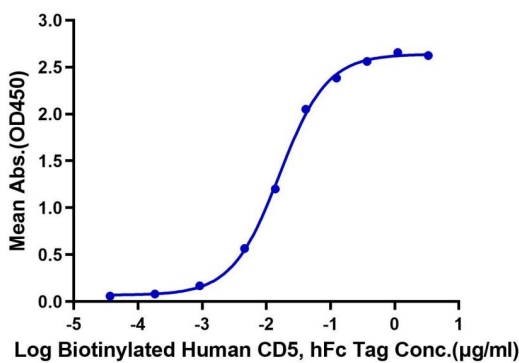
SEC-HPLC



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

ELISA Data

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



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