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ANGPTL3 Protein (His-Avi Tag, Biotin)



Images



Overview

Quantity:	100 μg
Target:	ANGPTL3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANGPTL3 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Ser17-Lys219
Purity:	> 95% as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Anti-ANGPTL3 Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose
	response curve for Biotinylated Human ANGPTL3, His Tag with the EC50 of 5.0ng/ml
	determined by ELISA. See testing image for detail.

Target Details

Target:	ANGPTL3
Alternative Name:	ANGPTL3 (ANGPTL3 Products)
Background:	ANGPTL3, ANGPT5, ANG-5, Angiopoietin-5, FHBL2, ANL3, Angiopoietin-5, Angiopoietin-like
	Protein 3,ANGPTL3 is a secreted glycoprotein that is structurally related to the angiopoietins.

Target Details

Mature human ANGPTL3 contains an N-terminal coiled coil domain and a C-terminal		
fibrinogen-like domain. ANGPTL3 is expressed in the liver from early in development	through	
adulthood. Acts in part as a hepatokine that is involved in regulation of lipid and gluco	se	
metabolism. Proposed to play a role in the trafficking of energy substrates to either s	torage or	
oxidative tissues in response to food intake.		

Molecular Weight:

26.6 kDa. Due to glycosylation, the protein migrates to 30-38 kDa based on Tris-Bis PAGE result.

UniProt:

Q9Y5C1

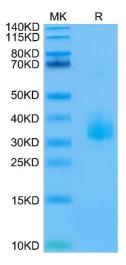
Application Details

Restrictions:

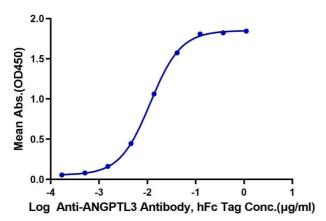
For Research Use only

Handling

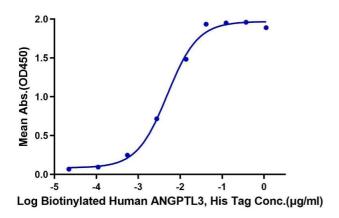
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (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



Biotinylated Human ANGPTL3, His Tag ELISA 0.05µg Biotinylated Human ANGPTL3, His Tag Per Well



Biotinylated Human ANGPTL3, His Tag ELISA 0.1µg Anti-ANGPTL3 Antibody, hFc Tag Per Well



SDS-PAGE

Image 1. Biotinylated Human ANGPTL3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 %.

ELISA

Image 2. Immobilized Biotinylated Human ANGPTL3, His Tag at $0.5 \,\mu\text{g/mL}$ (100 $\mu\text{L/Well}$). Dose response curve for Anti-ANGPTL3 Antibody, hFc Tag with the EC50 of 11.5 ng/mL determined by ELISA.

ELISA

Image 3. Immobilized Anti-ANGPTL3 Antibody, hFc Tag at 1 μ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Human ANGPTL3, His Tag with the EC50 of 5.0 ng/mL determined by ELISA.