

Datasheet for ABIN7273861

Angiopoietin 2 Protein (ANGPT2) (His-Avi Tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Angiopoietin 2 (ANGPT2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiopoietin 2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Lys275-Phe496
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 Biotinylated Human ANGPT2, His Tag at 5µg/ml (100µl/Well) on the Streptavidin Procated plate. Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC50 of 6.7ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	Angiopoietin 2 (ANGPT2)
Alternative Name:	ANGPT2 (ANGPT2 Products)
Background:	AGPT2, ANG2, ANG-2, angiopoietin 2, Angiopoietin-2, angiopoietin-2a, angiopoietin-2B, angiopoitin 2, ANGPT2, Tie2-ligand,Angiopoietin-2 (Ang-2, also ANGPT2) is a secreted

Target Details

glycoprotein that plays a complex role in angiogenesis and inflammation. Mature Ang-2 is 478 amino acids in length. Ang2 is widely expressed during development, but it is restricted postnatally to highly angiogenic tissues such as the placenta, ovaries, and uterus. It is particularly abundant in vascular endothelial cells (EC) where it is stored in intracellular Weibel Palade bodies.

Molecular Weight: 28.4 kDa. Due to glycosylation, the protein migrates to 32-37 kDa based on Tris-Bis PAGE result.

Pathways: [RTK Signaling](#)

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.

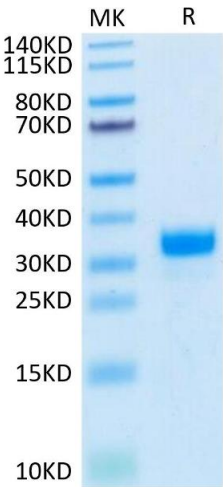
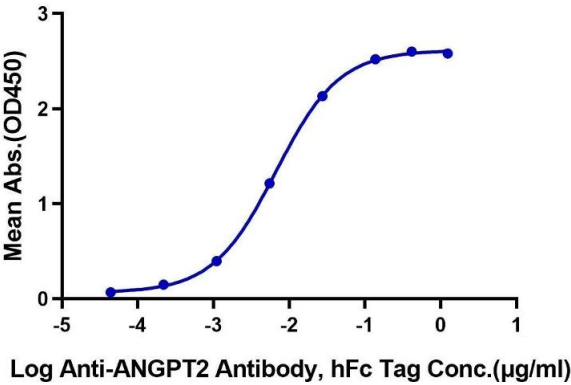
Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

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 ANGPT2, His Tag ELISA
0.5µg Biotinylated Human ANGPT2, His Tag Per Well



ELISA

Image 1. Immobilized Biotinylated Human ANGPT2, His Tag at 5 µg/mL (100 µL/Well) on the Streptavidin Procated plate. Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC50 of 6.7 ng/mL determined by ELISA.

SDS-PAGE

Image 2. Biotinylated Human ANGPT2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .