

Datasheet for ABIN7273860

Angiopoietin 2 Protein (ANGPT2) (AA 275-496) (His-Avi Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Angiopoietin 2 (ANGPT2)
Protein Characteristics:	AA 275-496
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Angiopoietin 2 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human ANGPT2/Angiopoietin-2 Protein
Sequence:	Lys275-Phe496
Characteristics:	Recombinant Human ANGPT2/Angiopoietin-2 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains 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 Human ANGPT2, His Tag at 2µg/ml (100µl/well). Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC50 of 9.3ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	Angiopoietin 2 (ANGPT2)
Alternative Name:	ANGPT2 (ANGPT2 Products)
Background:	Angiopoietin-2 (Ang-2, also ANGPT2) is a secreted 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 30-35 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling

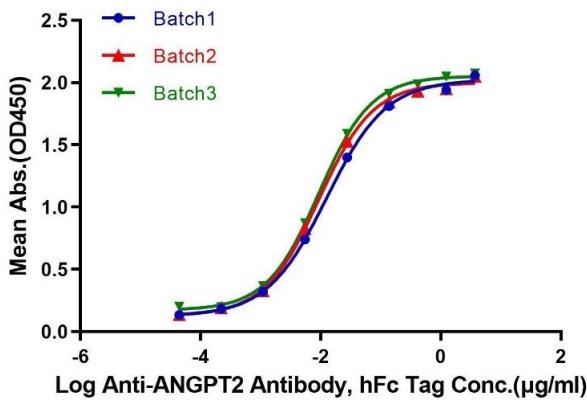
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human ANGPT2, His Tag ELISA
0.2µg Human ANGPT2, His Tag Per Well



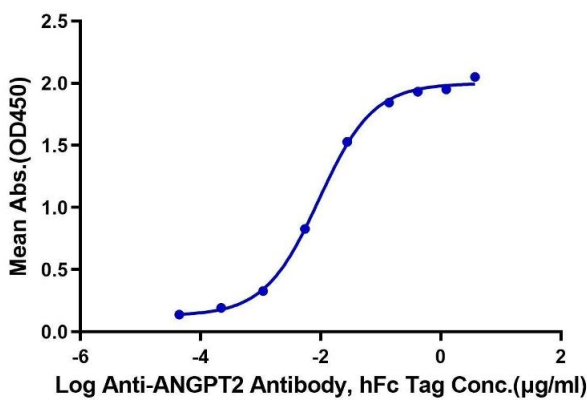
ELISA

Image 1. Immobilized Human ANGPT2, His Tag at 2 µg/mL (100 µL/well). Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC50 of 12.5 ng/mL / 9.3 ng/mL / 9.3 ng/mL determined by ELISA.

SDS-PAGE

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

Human ANGPT2, His Tag ELISA
0.2µg Human ANGPT2, His Tag Per Well



ELISA

Image 3. Immobilized Human ANGPT2, His Tag at 2 µg/mL (100 µL/well). Dose response curve for Anti-ANGPT2 Antibody, hFc Tag with the EC50 of 9.3 ng/mL determined by ELISA.