Datasheet for ABIN7321041

ANG2 Protein (Fc Tag)

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Overview

Quantity:	50 µg
Target:	ANG2
Origin:	Rhesus Monkey
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANG2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Rhesus Macaque Angiopoietin-2/ANG2 (C-Fc)
Sequence:	Tyr19-Phe495
Characteristics:	Recombinant Rhesus Macaque Angiopoietin-2 is produced by our Mammalian expression system and the target gene encoding Tyr19-Phe495 is expressed with a Fc tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ANG2
Alternative Name:	ANG2 (ANG2 Products)
Background:	Background: Angiopoietin-2 (Ang-2, also ANGPT2) is a secreted glycoprotein that plays a complex role in angiogenesis and inflammation. Both Ang-2 and the related Angiopoietin-1

Target Details

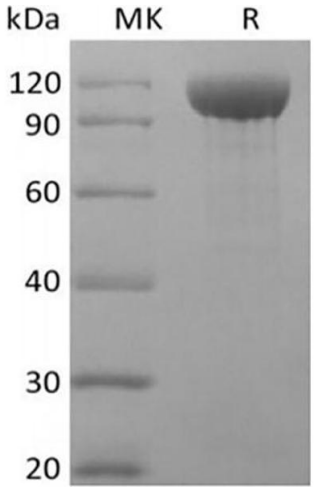
	(Ang-1) are ligands for the receptor tyrosine kinase Tie-2. While Ang-1 is a potent Tie 2 agonist, Ang-2 may act as either a Tie-2 antagonist or agonist, depending upon its state of multimerization. The higher the order of oligomer, the more effective Ang-2 becomes as a Tie-2 agonist. The short isoform appears to block the binding of either Ang-1 or full-length Ang-2 to Tie-2. Ang-2 functions as a pro-angiogenic factor, although it can also induce EC death and vessel regression. Upon its release from quiescent EC, it regulates vascular remodeling by promoting EC survival, proliferation, and migration and destabilizing the interaction between EC and perivascular cells. In addition, ANG-2 is strongly expressed in the vasculature of many tumors and it has been suggested that ANG-2 may act synergistically with other cytokines such as vascular endothelial growth factor to promote tumor-associated Angiogenesis and tumor progression. Synonym: AGPT2, ANG2, ANG-2, angiopoietin 2, Angiopoietin-2, angiopoietin-2a, angiopoietin-2B, angiopoitin 2, ANGPT2, Tie2-ligand
Molecular Weight:	81.7 kDa
NCBI Accession:	XM_001097949
Pathways:	Carbohydrate Homeostasis

Application Details

Comment:	90-120 kDa
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting
Image 1.

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