

For Research Use Only

# CoraLite® Plus 488-conjugated Angiopoietin 1 Monoclonal antibody

Catalog Number:CL488-68618



## Basic Information

<b>Catalog Number:</b> CL488-68618	<b>GenBank Accession Number:</b> BC152411	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 284	<b>CloneNo.:</b> 3C4A3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q15389	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> angiopoietin 1	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG18829	<b>Calculated MW:</b> 498 aa, 58 kDa	
	<b>Observed MW:</b> 70 kDa, 55 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human, mouse	

## Background Information

Angiopoietin 1 is a 70-kDa secreted glycoprotein generated from vascular mural cells, pericytes, and certain other cells. Angiopoietin 1 participates in vascular differentiation through angiogenesis, which is the process of the growth and remodelling of existing vessels. Angiopoietin 1 is also involved in the maintenance and turnover of blood vessels in mature animals. Angiopoietin 1 binds to and activates the TEK/TIE2 receptor by inducing its dimerization and tyrosine phosphorylation, playing an important role in the regulation of angiogenesis. Overexpression of Angiopoietin 1 has been proven to occur in malignant glioblastoma, neuroblastoma, non-small cell lung cancer, and other tumors.

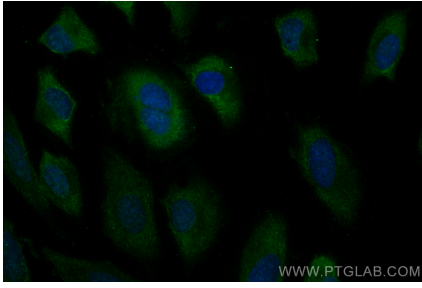
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 Angiopoietin 1 antibody (CL488-68618, Clone: 3C4A3 ) at dilution of 1:200.