

For Research Use Only

# CoraLite®594-conjugated Zinc Alpha 2 Glycoprotein Monoclonal antibody

Catalog Number:CL594-66178



## Basic Information

<b>Catalog Number:</b> CL594-66178	<b>GenBank Accession Number:</b> BC033830	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 563	<b>CloneNo.:</b> 4B8A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P25311	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> alpha-2-glycoprotein 1, zinc-binding	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG5661	<b>Calculated MW:</b> 298 aa, 34 kDa	
	<b>Observed MW:</b> 41 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : PC-3 cells,
<b>Species Specificity:</b> human	

## Background Information

Zinc-alpha-2-glycoprotein (AZGP1) is a 41-kDa soluble protein normally found in body fluids, functions as a lipid mobilizing factor (PMID: 19188554). It is known to be expressed in the secretory epithelia of the liver, lung, breast, GI tract and sweat glands, sharing significant structural similarity with the class I major histocompatibility complex (MHC) antigens (PMID: 3422450). AZGP1 is involved in carcinogenesis and differentiation. Altered expression of AZGP1 has been reported in breast cancer, prostate cancer and lung adenocarcinoma, hepatocellular carcinoma, pancreatic carcinoma and oral tumors (PMID: 22625427).

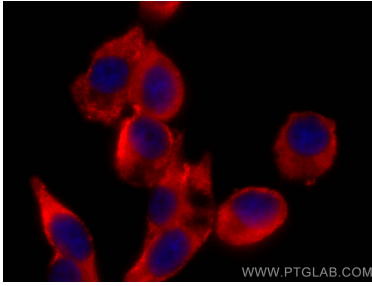
## Storage

**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:  
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed PC-3 cells using Coralite®594 Zinc Alpha 2 Glycoprotein antibody (CL594-66178, Clone: 4B8A4 ) at dilution of 1:200.