

CoraLite® Plus 488-conjugated Zinc Alpha 2 Glycoprotein Monoclonal antibody

Catalog Number: ~~CL488-66178~~

Basic Information

Catalog Number: CL488-66178	GenBank Accession Number: BC033830	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 563	CloneNo.: 4B8A4
Source: Mouse	UNIPROT ID: P25311	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: alpha-2-glycoprotein 1, zinc-binding	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG5661	Calculated MW: 298 aa, 34 kDa	
	Observed MW: 41 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : PC-3 cells,
Species Specificity: 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

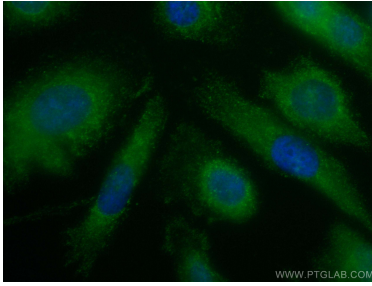
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed PC-3 cells using CoraLite® Plus 488 Zinc Alpha 2 Glycoprotein antibody (CL488-66178, Clone: 4B8A4) at dilution of 1:200.