

For Research Use Only

CoraLite® Plus 594-conjugated GPI Monoclonal antibody



Catalog Number: CL594-67178

Featured Product

Basic Information

Catalog Number: CL594-67178	GenBank Accession Number: BC004982	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2821	CloneNo.: 2F11E4
Source: Mouse	Full Name: glucose phosphate isomerase	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 63 kDa	Excitation/Emission maxima wavelengths: 594 nm / 615 nm
Immunogen Catalog Number: AG7419	Observed MW: 55-64 kDa	

Applications

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

Background Information

GPI (Glucose-6-phosphate isomerase), which is also named as autocrine motility factor (AMF), phosphoglucose isomerase (PGI), Neuroleukinin (NLK), phosphohexose isomerase (PHI) or sperm antigen 36 (SA-36), is a housekeeping cytosolic enzyme that plays a key role in both glycolysis and gluconeogenesis pathways. It is also a multifunctional protein that displays cytokine properties, eliciting mitogenic, motogenic, and differentiation activities, and has been implicated in tumor progression and metastasis (PMID:12783864, 19603112). This protein can exist as a homodimer in the catalytically active form and a monomer in the secreted form (PMID:11371164). It has 2 isoforms produced by alternative splicing with the calculated molecular mass of 63-64kDa, and an apparent molecular mass of 55 and 64 kDa under non-reducing and reducing conditions, respectively (PMID: 19603112, 11004567).

Storage

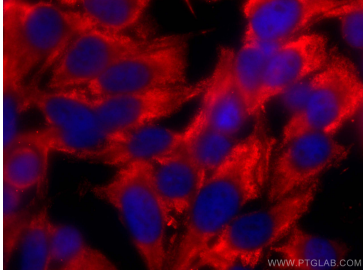
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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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 PC-3 cells using CoraLite® Plus 594 GPI antibody (CL594-67178, Clone: 2F11E4) at dilution of 1:200.