

For Research Use Only

CoraLite® Plus 647-conjugated GBP5 Polyclonal antibody



Catalog Number: CL647-13220

Featured Product

Basic Information

Catalog Number: CL647-13220	GenBank Accession Number: BC031639	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 115362	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Source: Rabbit	Full Name: guanylate binding protein 5	
Isotype: IgG	Calculated MW: 586 aa, 67 kDa	
Immunogen Catalog Number: AG4103	Observed MW: 65 kDa, 55 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human

Background Information

Guanylate binding protein (GBP) 5 belongs to the GBP family, which is involved in important cellular processes, including signal transduction, translation, vesicle trafficking, and exocytosis. GBP5 was reported to be a critical cellular factor in inflammasome assembly. Furthermore, GBP5 has been reported to induce inflammatory cytokines, including IL-1 beta and IL-18, through the activation of NLRP3 and AIM2. GBP5 encodes two isoforms: GBP-5a/b (67 kDa) and GBP-5ta (55 kDa)

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.

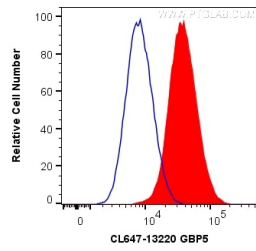
Aliquoting is unnecessary for -20°C storage

*** 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) 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



1X10⁶ MCF-7 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human GBP5 (CL647-13220) (red), or 0.2 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).