

For Research Use Only

CoraLite® Plus 647-conjugated GRP78/BIP Monoclonal antibody



Catalog Number: CL647-66574

Basic Information

Catalog Number: CL647-66574	GenBank Accession Number: BC020235	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3309	CloneNo.: 1D6F7
Source: Mouse	Full Name: heat shock 70kDa protein 5 (glucose- regulated protein, 78kDa)	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1	Calculated MW: 78 kDa	
Immunogen Catalog Number: AG2188	Observed MW: 70-78 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, rat, mouse

Background Information

GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). It is a constitutively expressed resident protein of the ER in all eukaryotic cells. Recently it has been reported that GRP78 is associated with apoptosis or inhibition of cancer cell growth.

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.

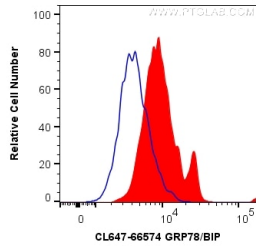
Aliquoting is unnecessary for -20°C storage

*** 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 HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human GRP78/BIP (CL647-66574, Clone:1D6F7) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).