

For Research Use Only

CoraLite®594-conjugated GRP78/BIP Monoclonal antibody



Catalog Number: **CL594-66574** 1 Publications

Basic Information

Catalog Number: CL594-66574	GenBank Accession Number: BC020235	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 3309	CloneNo.: 1D6F7
Source: Mouse	UNIPROT ID: P11021	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG1	Full Name: heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG2188	Calculated MW: 78 kDa	
	Observed MW: 78 kDa	

Applications

Tested Applications: WB, FC (Intra)	Positive Controls:
Species Specificity: Human, rat, mouse	WB : A549 cells, HeLa cells, HepG2 cells, MCF-7 cells, NIH/3T3 cells, HSC-T6 cells
Cited Species: human	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Gao Yuan	38113969	Exp Cell Res	

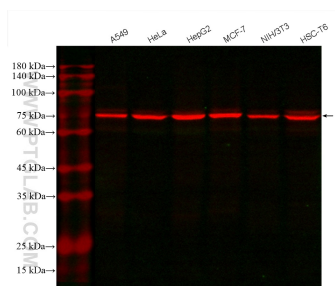
Storage

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

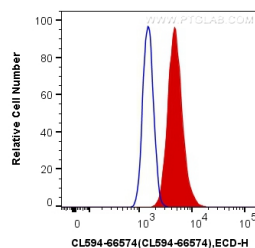
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL594-66574 (GRP78/BIP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human GRP78/BIP (CL594-66574, Clone:1D6F7) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL594-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).