

For Research Use Only

# CoraLite® Plus 647-conjugated GRP78/BIP Monoclonal antibody



Catalog Number: CL647-66574

## Basic Information

Catalog Number:

CL647-66574

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2188

GenBank Accession Number:

BC020235

GeneID (NCBI):

3309

UNIPROT ID:

P11021

Full Name:

heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)

Calculated MW:

78 kDa

Observed MW:

70-78 kDa

Purification Method:

Protein G purification

CloneNo.:

1D6F7

Excitation/Emission maxima  
wavelengths:

654 nm / 674 nm

## 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

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

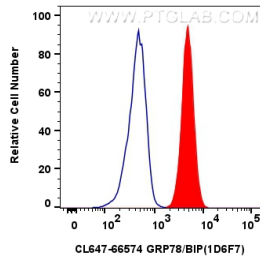
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 647-conjugated GRP78/BIP Monoclonal antibody (CL647-66574, Clone:1D6F7) (red), or 0.4 ug CoraLite® Plus 647 Mouse IgG1 Isotype Control (MOPC-21) (CL647-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).