

For Research Use Only

CoraLite® Plus 488-conjugated Galectin-3 Monoclonal antibody

Catalog Number: CL488-60207

Featured Product

1 Publications



Basic Information

Catalog Number:

CL488-60207

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG6753

GenBank Accession Number:

BC001120

GeneID (NCBI):

3958

UNIPROT ID:

P17931

Full Name:

lectin, galactoside-binding, soluble, 3

Calculated MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

1C1B2

Recommended Dilutions:

IF-P: 1:50-1:500

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, IF-P, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

IF-P: human thyroid cancer tissue,

IF/ICC: HeLa cells,

FC (Intra): HeLa cells,

Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β -galactose-containing oligosaccharides (PMID: 8063692). Galectin-3, a member of the β -galactoside-binding proteins, contains one carbohydrate recognition domain (CRD) and a proline- and glycine-rich N-terminal domain through which is able to form oligomers (PMID: 14758078). Galectin-3 is widely expressed in many normal tissues and a variety of tumors. It is found intracellularly in nucleus and cytoplasm or secreted outside of cell, being present on the cell surface or in the extracellular space (PMID: 16478649). Galectin-3 is involved in various biological processes including cell growth, adhesion, differentiation, apoptosis, angiogenesis, immune response, neoplastic transformation and metastasis (PMID: 16478649; 14758078).

Notable Publications

Author	Pubmed ID	Journal	Application
Jia-Xin Li	38141575	Redox Biol	IF

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

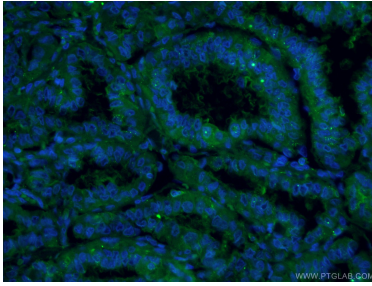
T: 4006900926

E: Proteintech-CN@ptglab.com

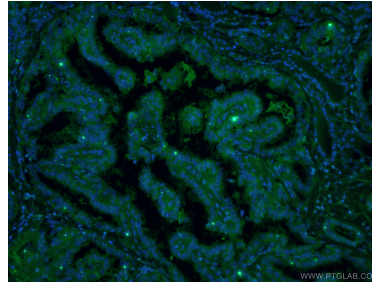
W: ptgcn.com

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

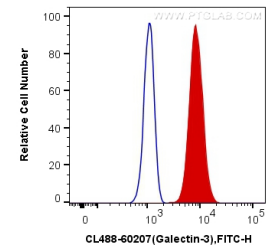
Selected Validation Data



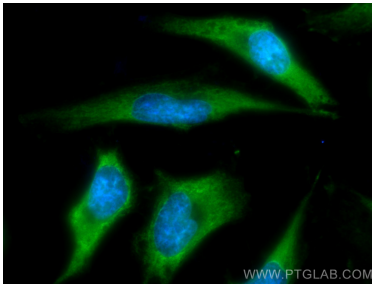
Immunofluorescent analysis of (4% PFA) fixed human thyroid cancer tissue using CL488-60207 (Galectin-3 antibody) at dilution of 1:50.



Immunofluorescent analysis of (4% PFA) fixed human thyroid cancer tissue using CL488-60207 (Galectin-3 antibody) at dilution of 1:50.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human Galectin-3 (CL488-60207, Clone:1C1B2) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 Galectin-3 antibody (CL488-60207, Clone: 1C1B2) at dilution of 1:200.