

For Research Use Only

CoraLite®555-conjugated Galectin-3 Monoclonal antibody



Catalog Number: **CL555-60207**

Featured Product

Basic Information

| | | |
|---|--|---|
| Catalog Number: CL555-60207 | GenBank Accession Number: BC001120 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 3958 | CloneNo.: 1C1B2 |
| Source: Mouse | Full Name: lectin, galactoside-binding, soluble, 3 | Recommended Dilutions: 1:50-1:500 |
| Isotype: IgG2b | Calculated MW: 26 kDa | Excitation/Emission maxima wavelengths: 557 nm/570 nm |
| Immunogen Catalog Number: AG6753 | Observed MW: 31 kDa | |

Applications

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|--|---|
| Tested Applications: FC (Intra), IF | Positive Controls: IF : A431 cells, |
| Species Specificity: human, mouse, rat | |

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 31-kDa 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).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

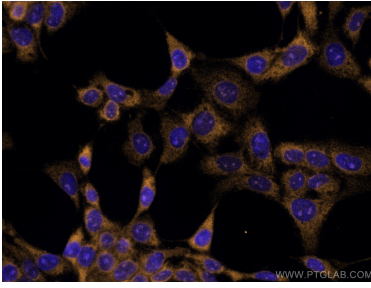
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

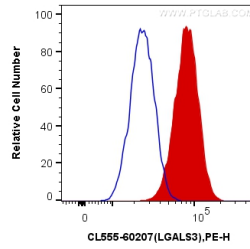
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite@555 Galectin-3 antibody (CL555-60207, Clone: 1C1B2) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite@555 Anti-Human Galectin-3 (CL555-60207, Clone:1C1B2) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).