

For Research Use Only

# CoraLite®555-conjugated Galectin-3 Monoclonal antibody

Catalog Number:CL555-60207

Featured Product



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL555-60207	BC001120	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	3958	1C1B2
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P17931	IF/ICC 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG2b	lectin, galactoside-binding, soluble, 3	557 nm / 570 nm
Immunogen Catalog Number:	Calculated MW:	
AG6753	26 kDa	
	Observed MW:	
	31 kDa	

## Applications

Tested Applications:	Positive Controls:
IF/ICC, FC (Intra)	IF/ICC : 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  $\beta$ -galactose-containing oligosaccharides (PMID: 8063692). Galectin-3, a member of the  $\beta$ -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).

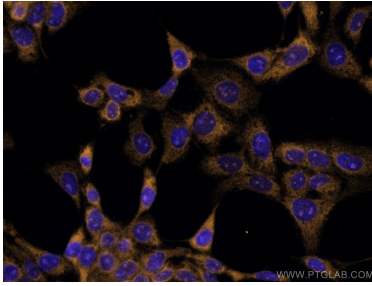
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. 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

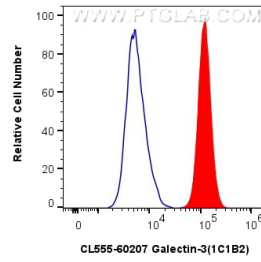
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected 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.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug Coralite@555 Anti-Human Galectin-3 (CL555-60207, Clone:1C1B2) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).