

For Research Use Only

CoraLite®594-conjugated Galectin-3 Monoclonal antibody



Catalog Number: ~~CL594-60207~~

Featured Product

Basic Information

Catalog Number:
CL594-60207

Size:
100ul, Concentration: 1000 µg/ml by
Bradford method using BSA as the
standard;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG6753

GenBank Accession Number:
BC001120

GeneID (NCBI):
3958

Full Name:
lectin, galactoside-binding, soluble, 3

Calculated MW:
26 kDa

Purification Method:
Protein A purification

CloneNo.:
1C1B2

Recommended Dilutions:
1:50-1:500

Excitation/Emission maxima
wavelengths:
593 nm/614 nm

Applications

Tested Applications:
FC, IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF : human thyroid cancer tissue,

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

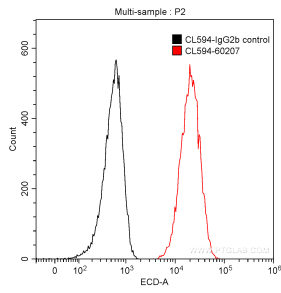
For technical support and original validation data for this product please contact:

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

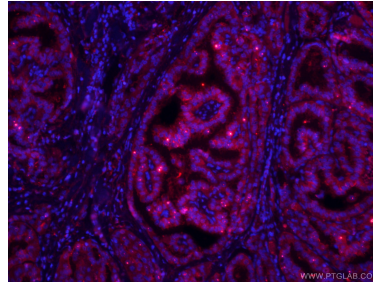
E: proteintech@ptglab.com
W: ptglab.com

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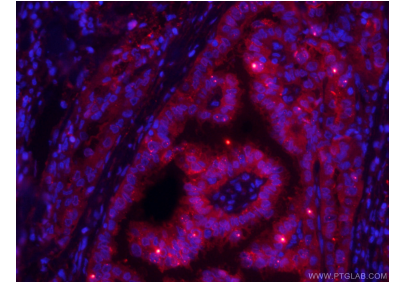
Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite®594 Anti-Human Galectin-3 (CL594-60207, Clone:1C1B2) (red), and 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.



Immunofluorescent analysis of (4% PFA) fixed human thyroid cancer tissue using CL594-60207 (Galectin-3 antibody) at dilution of 1:50.



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