

For Research Use Only

CoraLite®594-conjugated Galectin-3 Monoclonal antibody



Catalog Number:CL594-60207

Featured Product

Basic Information

Catalog Number:

CL594-60207

Size:

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 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

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

Species Specificity:

human, mouse, rat

Positive Controls:

IF : human thyroid cancer tissue, HeLa cells

Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β - galactose-containing oligosac-charides (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).

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:

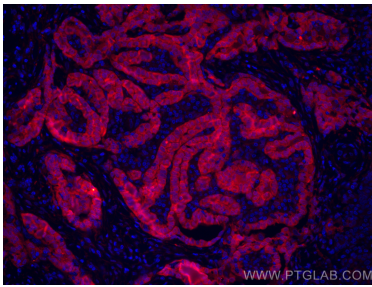
T: 4006900926

E: Proteintech-CN@ptglab.com

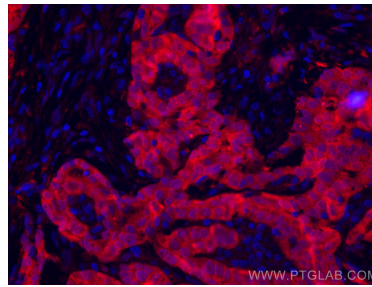
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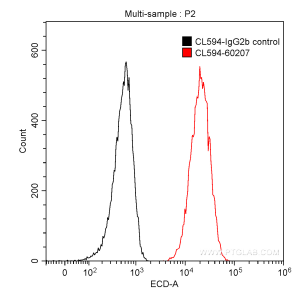
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human thyroid cancer tissue using CoraLite®594 Galectin-3 antibody (CL594-60207, Clone: 1C1B2) at dilution of 1:200.



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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.