

For Research Use Only

# CoraLite®594-conjugated Galectin-1 Monoclonal antibody

Catalog Number: CL594-60223

Featured Product



## Basic Information

Catalog Number:

CL594-60223

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2432

GenBank Accession Number:

BC020675

GeneID (NCBI):

3956

UNIPROT ID:

P09382

Full Name:

lectin, galactoside-binding, soluble, 1

Calculated MW:

15 kDa

Observed MW:

13 kDa

Purification Method:

Protein G purification

CloneNo.:

3G10D2

Recommended Dilutions:

IF-P 1:600-1:2400

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

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

Species Specificity:

human

Positive Controls:

IF-P : human colon cancer tissue, Saos-2 cells, U2OS cells

IF/ICC : Saos-2 cells, U2OS cells

## 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-1 contains one carbohydrate recognition domain (CRD) and occurs as a monomer as well as a non-covalent homodimer (PMID: 16840800). It is differentially expressed by various normal and pathological tissues. Galectin-1 is a multifunctional protein that is involved in cell adhesion, migration, proliferation, apoptosis, inflammation, tumour transformation and growth (PMID:15785741).

## 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

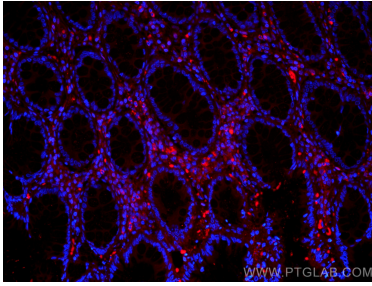
For technical support and original validation data for this product please contact:

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

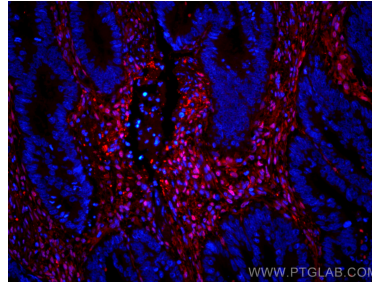
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

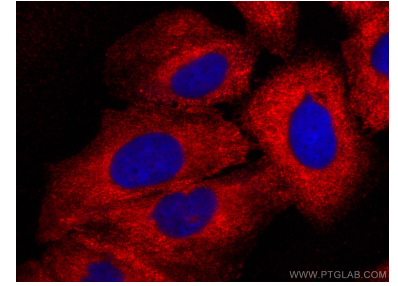
## Selected Validation Data



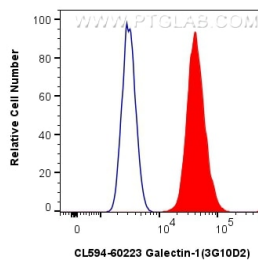
Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite®594 Galectin-1 antibody (CL594-60223, Clone: 3G10D2 ) at dilution of 1:1200.



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite®594 Galectin-1 antibody (CL594-60223, Clone: 3G10D2 ) at dilution of 1:1200.



Immunofluorescent analysis of (-20°C Methanol) fixed Saos-2 cells using CoraLite®594 Galectin-1 antibody (CL594-60223, Clone: 3G10D2 ) at dilution of 1:200.



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.4 ug CoraLite®594-conjugated Galectin-1 Monoclonal antibody (CL594-60223, Clone:3G10D2)(red), or 0.4 ug CoraLite®594 Mouse IgG1 Isotype Control (1F8D3) (CL594-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).