

For Research Use Only

CoraLite® Plus 488-conjugated Galectin-1 Monoclonal antibody

Catalog Number: CL488-60223

Featured Product

2 Publications



Basic Information

Catalog Number:

CL488-60223

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 1:400-1:1600

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

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

Cited Applications:

IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

IF-P: human colon cancer tissue, U2OS cells

IF/ICC: U2OS cells,

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-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).

Notable Publications

Author	Pubmed ID	Journal	Application
Guorong Sun	38275838	mBio	
Kirsty Hodgson	37813880	Sci Rep	IF

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

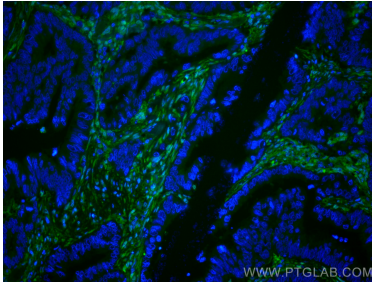
For technical support and original validation data for this product please contact:

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

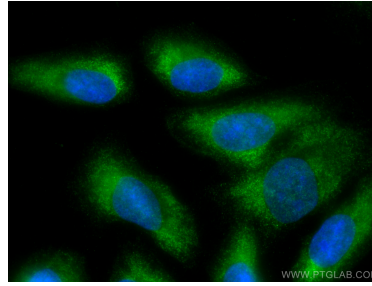
E: proteintech@ptglab.com
W: ptglab.com

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

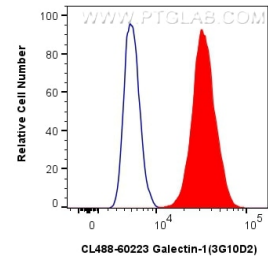
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using CoraLite® Plus 488 Galectin-1 antibody (CL488-60223, Clone: 3G10D2) at dilution of 1:800.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using CoraLite® Plus 488 Galectin-1 antibody (CL488-60223, Clone: 3G10D2) at dilution of 1:200.



1×10^6 U2OS cells were intracellularly stained with 0.4 μ g CoraLite® Plus 488-conjugated Galectin-1 Monoclonal antibody (CL488-60223, Clone:3G10D2)(red), or 0.4 μ g CoraLite® Plus 488 Mouse IgG1 Isotype Control (1F8D3) (CL488-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).