

For Research Use Only

CoraLite® Plus 488-conjugated Galectin-1 Monoclonal antibody



Catalog Number: CL488-60223

1 Publications

Basic Information

Catalog Number:

CL488-60223

Size:

1000 µg/ml

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 1:400-1:1600

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC,IF-P

Cited Applications:

IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

IF : human colon cancer tissue, 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 |
|----------------|-----------|---------|-------------|
| 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:

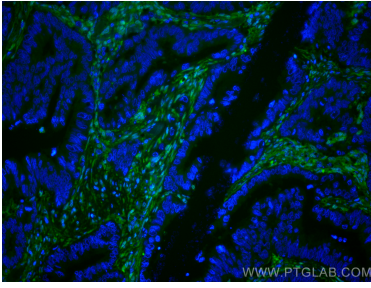
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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.