

CoraLite®594-conjugated Galectin-3 Polyclonal antibody

Catalog Number: **CL594-14979****Featured Product**

Basic Information

Catalog Number:

CL594-14979

GenBank Accession Number:

BC001120

Purification Method:

Antigen affinity purification

Size:

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

GeneID (NCBI):

3958

Recommended Dilutions:

IF/ICC 1:50-1:500

Source:

Rabbit

UNIPROT ID:

P17931

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Isotype:

IgG

Full Name:

lectin, galactoside-binding, soluble, 3

Immunogen Catalog Number:

AG6891

Calculated MW:

26 kDa

Observed MW:

31 kDa

Applications

Tested Applications:

IF/ICC, FC (Intra)

Positive Controls:

IF/ICC : HeLa cells,

Species Specificity:

human, mouse, rat

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 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

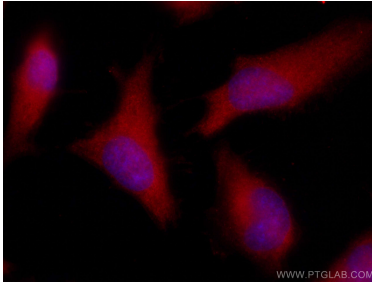
For technical support and original validation data for this product please contact:

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

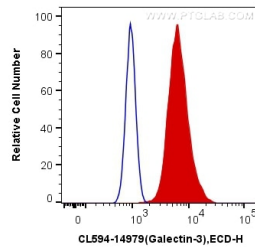
E: proteintech@ptglab.com
W: ptglab.com

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 (-20°C Methanol) fixed HeLa cells using CoraLite®594 Galectin-3 antibody (CL594-14979) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human Galectin-3 (CL594-14979) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).