For Research Use Only

CoraLite®594 Anti-Mouse Galectin-3 Rabbit Recombinant Antibody

Catalog Number:CL594-98335-3

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL594-98335-3

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1232

GenBank Accession Number:

GeneID (NCBI):
16854

UNIPROT ID:
P16110

Full Name:
lectin, galactose binding, soluble 3

Calculated MW:
28 kDa

Purification Method:
Protein A purification

CloneNo.:
242453H5

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse peritoneal macrophages,

Background Information

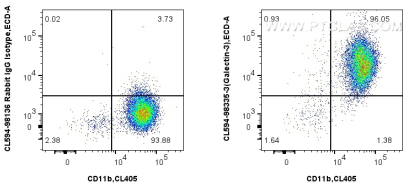
Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β-galactose-containing oligosac-charides (PMID: 8063692). Galectin-3, a member of the β-galactoside-binding proteins, contains one carbohydrate recognition domain (CRD) and a proline- and glycine-rich 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

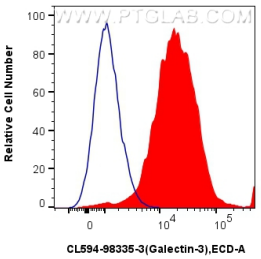
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

Selected Validation Data



1x10^6 mouse peritoneal macrophages were surface stained with CoraLite® Plus 405 Anti-Mouse CD11b, and 0.25 ug CoraLite®594 Anti-Mouse Galectin-3 Rabbit RecAb (CL594-98335-3, Clone: 242453H5) or CoraLite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10^6 mouse peritoneal macrophages were surface stained with 0.25 ug CoraLite®594 Anti-Mouse Galectin-3 Rabbit RecAb (CL594-98335-3, Clone: 242453H5) (red) or CoraLite®594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.