

For Research Use Only

Galectin 2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87897-1-PBS



Basic Information

Catalog Number:

87897-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG7632

GenBank Accession Number:

BC059782

GeneID (NCBI):

3957

UNIPROT ID:

P05162

Full Name:

lectin, galactoside-binding, soluble, 2

Calculated MW:

15 kDa

Observed MW:

10-15 kDa

Purification Method:

Protein A purification

CloneNo.:

260048G3

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Galectins are a class of carbohydrate-binding proteins implicated in multiple physiological processes including inflammation, immune responses, cell migration, autophagy and signal transduction (PMID: 29717004). Galectin-2 (Gal-2, also known as LGALS2) is a monocyte-derived carbohydrate-binding lectin; its upregulation correlates with reduced collateral arteriogenesis in patients with obstructive coronary artery disease (PMID: 25884209). Additionally, Gal-2 may interact with T cells, particularly in the setting of inflammatory bowel disease (PMID: 15356130).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

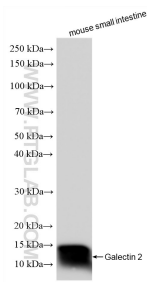
For technical support and original validation data for this product please contact:

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

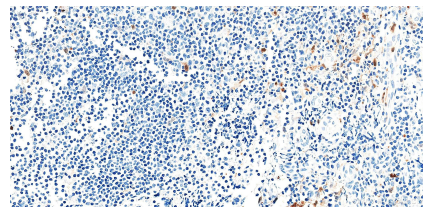
E: proteintech@ptglab.com
W: ptglab.com

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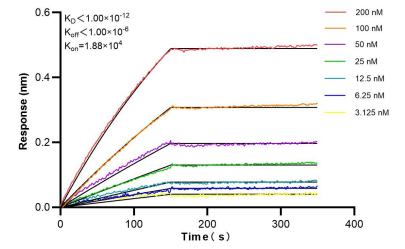
Selected Validation Data



mouse small intestine tissue were subjected to SDS PAGE followed by western blot with 87897-1-RR (Galectin 2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87897-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue slide using 87897-1-RR (Galectin 2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 87897-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 87897-1-RR against Human Galectin 2 were performed. The affinity constant is below 1 pM.