

For Research Use Only

Galectin 2 Recombinant monoclonal antibody

Catalog Number: 87897-1-RR



Basic Information

Catalog Number: 87897-1-RR	GenBank Accession Number: BC059782	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3957	CloneNo.: 260048G3
Isotype: IgG	UNIPROT ID: P05162	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000
Immunogen Catalog Number: EG7632	Full Name: lectin, galactoside-binding, soluble, 2	
	Calculated MW: 15 kDa	
	Observed MW: 10-15 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse small intestine tissue,

IHC : human tonsil tissue,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

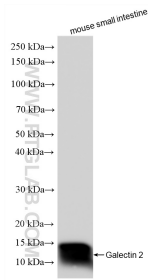
T: 4006900926

E: Proteintech-CN@ptglab.com

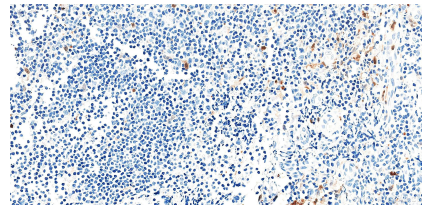
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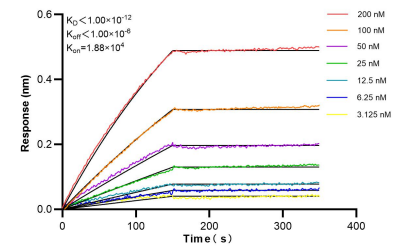
Selected Validation Data



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.



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).



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