

For Research Use Only

Galectin 2 Recombinant monoclonal antibody, PBS Only

Catalog Number:87897-1-PBS



Basic Information

Catalog Number: 87897-1-PBS	GenBank Accession Number: BC059782	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3957	CloneNo.: 260048G3
Isotype: IgG	UNIPROT ID: P05162	
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, 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

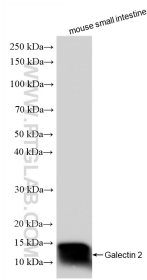
T: 4006900926

E: Proteintech-CN@ptglab.com

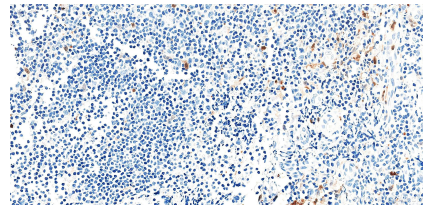
W: ptgcn.com

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

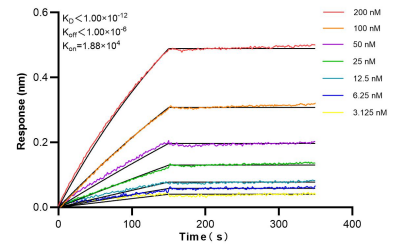
Selected Validation Data



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.