

For Research Use Only

# Galectin 2 Recombinant monoclonal antibody

Catalog Number: 87897-1-RR



## Basic Information

<b>Catalog Number:</b> 87897-1-RR	<b>GenBank Accession Number:</b> BC059782	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3957	<b>CloneNo.:</b> 260048G3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05162	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> lectin, galactoside-binding, soluble, 2	
<b>Immunogen Catalog Number:</b> EG7632	<b>Calculated MW:</b> 15 kDa	
	<b>Observed MW:</b> 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

\*\*\* 20ul sizes contain 0.1% BSA

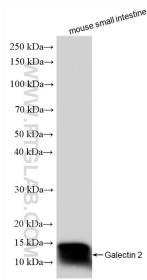
For technical support and original validation data for this product please contact:

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

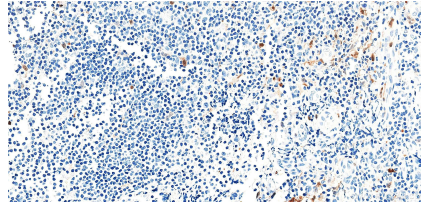
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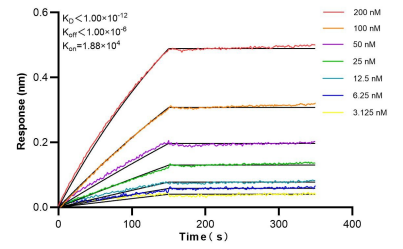
## Selected Validation Data



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.