

For Research Use Only

Galectin-3 Recombinant monoclonal antibody

Catalog Number: 84889-3-RR



Basic Information

Catalog Number: 84889-3-RR	GenBank Accession Number: 16854	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 16854	CloneNo.: 242453H8
Source: Rabbit	UNIPROT ID: P16110	Recommended Dilutions: IHC: 1:10000-1:40000
Isotype: IgG	Full Name: lectin, galactose binding, soluble 3	
Immunogen Catalog Number: EG1232	Calculated MW: 28 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse colon tissue, mouse liver tissue
Species Specificity: mouse	

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

Background Information

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β -galactose-containing oligosaccharides (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 -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

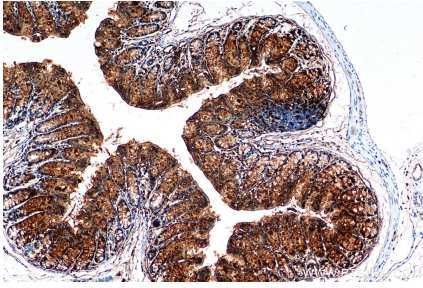
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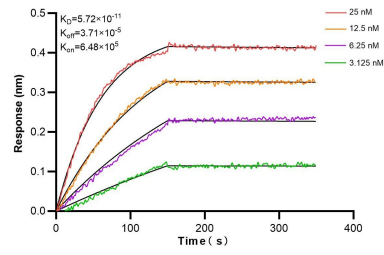
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 84889-3-RR (Galectin-3 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 84889-3-RR against Mouse Galectin-3 were performed. The affinity constant is 57.2 pM.