

For Research Use Only

Galectin-7 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87943-1-PBS



Basic Information

Catalog Number: 87943-1-PBS	GenBank Accession Number: NML_002307	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3963	CloneNo.: 260029G6
Source: Rabbit	UNIPROT ID: P47929	
Isotype: IgG	Full Name: lectin, galactoside-binding, soluble, 7	
Immunogen Catalog Number: EG7637	Calculated MW: 15 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse, rat

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-7 contains one carbohydrate recognition domain (CRD) and is biologically active as a monomer. It is mainly expressed in stratified epithelium, especially in epidermis. Alterations of galectin-7 expression during cancer progression have been reported. Galectin-7 is involved in epithelial differentiation and development and may have a role in tumour development (PMID: 16429325).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

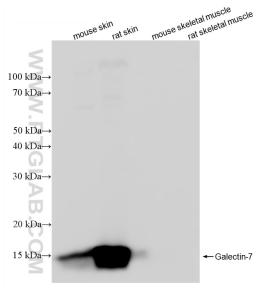
For technical support and original validation data for this product please contact:

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

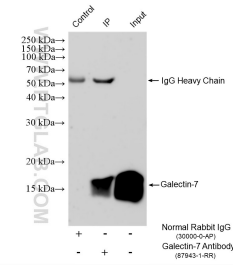
E: proteintech@ptglab.com
W: ptglab.com

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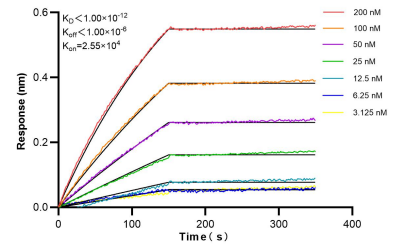
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87943-1-RR (Galectin-7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87943-1-PBS in a different storage buffer formulation.



IP result of anti-Galectin-7 (IP:87943-1-RR, 4ug; Detection:87943-1-RR 1:2000) with rat skin tissue lysate 880 ug. This data was developed using the same antibody clone with 87943-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87943-1-RR against Human Galectin-7 were performed. The affinity constant is below 1 pM.