



Anti-LGALS1 polyclonal antibody (DPABY-290)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The galectins constitute a large family of carbohydrate-binding proteins that function in many systems both intracellularly and following secretion. Galectins contain either one or two carbohydrate recognition domains (CRR) which mediate recognition of N-acetyl-lactosamine-containing glycoproteins. Some galectins exist in multiple isoforms due to alternative splicing. Individual galectins differ in their tissue distribution and in their carbohydrate-binding specificities.
Specificity	Detects mouse Galectin-1 in ELISAs and Western blots. In sandwich ELISAs, less than 5% cross-reactivity with recombinant human (rh) Galectin-1 and less than 0.5% cross-reactivity with recombinant mouse (rm) Galectin-3, rhGalectin-4, rmGalectin-7, and rhGalectin-8 is observed.
Immunogen	E. coli-derived recombinant mouse Galectin-1. Ala2-Glu135 Accession Number P16045
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen Affinity-purified
Conjugate	Unconjugated
Applications	Western Blot, Immunohistochemistry, ELISA Capture (Matched Pair), Intracellular Staining by Flow Cytometry
Format	Liquid
Size	100 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Lgals1 lectin, galactose binding, soluble 1 [Mus musculus (house mouse)]
Official Symbol	LGALS1
Synonyms	LGALS1; lectin, galactose binding, soluble 1; L14; Gal-1; Galbp; L-14.5; Lect14; AA410090; galectin-1; galectin-1; galaptin; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; beta-galactoside binding protein; lectin galactoside-binding soluble 1; b
Entrez Gene ID	16852
Protein Refseq	NP_032521
UniProt ID	P16045
Chromosome Location	15 E; 15 37.7 cM
Pathway	PodNet: protein-protein interactions in the podocyte; XPodNet - protein-protein interactions in the podocyte expanded by STRING;
Function	carbohydrate binding; galactose binding; galactoside binding; glycoprotein binding; lactose binding; laminin binding; poly(A) RNA binding; protein binding; protein homodimerization activity; signal transducer activity;