

galectin-1 (mouse) (aa100-112) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3486a

Specification

galectin-1 (mouse) (aa100-112) Antibody (internal region) - Product Information

Application	WB
Primary Accession	P09382
Other Accession	NP_032521.1 , 3956 , 16852 (mouse) , 56646 (rat)
Reactivity	Rat
Predicted	Human, Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	14716

galectin-1 (mouse) (aa100-112) Antibody (internal region) - Additional Information

Gene ID 3956

Other Names

Galectin-1, Gal-1, 14 kDa laminin-binding protein, HLBP14, 14 kDa lectin, Beta-galactoside-binding lectin L-14-I, Galaptin, HBL, HPL, Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, Putative MAPK-activating protein PM12, S-Lac lectin 1, LGALS1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

galectin-1 (mouse) (aa100-112) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

galectin-1 (mouse) (aa100-112) Antibody (internal region) - Protein Information

Name LGALS1 ([HGNC:6561](#))

Function

Lectin that binds beta-galactoside and a wide array of complex carbohydrates. Plays a role in regulating apoptosis, cell proliferation and cell differentiation. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis. Plays a negative role in Th17 cell differentiation via activation of the receptor CD69 (PubMed:24752896).

Cellular Location

Secreted, extracellular space, extracellular matrix. Cytoplasm. Secreted Note=Can be secreted; the secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum- Golgi intermediate compartment) followed by vesicle entry and secretion.

Tissue Location

Expressed in placenta, maternal decidua and fetal membranes. Within placenta, expressed in trophoblasts, stromal cells, villous endothelium, syncytiotrophoblast apical membrane and villous stroma. Within fetal membranes, expressed in amnion, chorioamniotic mesenchyma and chorion (at protein level). Expressed in cardiac, smooth, and skeletal muscle, neurons, thymus, kidney and hematopoietic cells.

galectin-1 (mouse) (aa100-112) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

galectin-1 (mouse) (aa100-112) Antibody (internal region) - Images



AF3486a (0.5 µg/ml) staining of Rat Pancreas lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

galectin-1 (mouse) (aa100-112) Antibody (internal region) - References

A novel galectin-1 and interleukin 2 receptor beta haplotype is associated with autoimmune myasthenia gravis. Pál Z, Antal P, Millinghoffer A, Hullám G, Pálóczi K, Táth S, Gabius HJ,

Molnár MJ, Falus A, Buzás EI, Journal of neuroimmunology 2010 Aug : . PMID: 20728947