

Mouse Galectin-1 ELISA Kit | LGALS1 elisa kit

Galectin-1 Mouse ELISA Kit

CATALOG # AAA58866	REACTIVITY Mouse	APPLICATIONS ELISA
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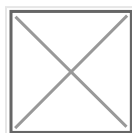
PRODUCT SYNONYMS

Galectin-1; Galectin-1 Mouse ELISA Kit; Mouse Galectin-1; LGALS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 5pg/ml
Applicable Applications for LGALS1 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGALS1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Galectin-1 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GALECTIN-1 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Galectin-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Galectin-1 can be calculated. Background: Galectin-1 is a member of the galectins, which are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. In Mouses it is encoded by the LGALS1 gene, which maps to 22q12-q13. It is expressed by the endometrial stromal cells throughout the menstrual cycle, however significantly increases during implantation. The Galectin-a plays a role in the immunosuppression required for a successful pregnancy, and it may also act as an autocrine negative growth factor that regulates cell proliferation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956

NCBI Accession #	NP_002296.1
NCBI GenBank Nucleotide #	NM_002305.3
UniProt Accession #	P09382; Q9UDK5; B2R5E8
Molecular Weight	14,716 Da
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 1
NCBI Official Symbol	LGALS1
NCBI Official Synonym Symbols	GBP; GAL1
NCBI Protein Information	galectin-1; HBL; HPL; gal-1; HLBP14; galaptin; galectin 1; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; 14 kDa laminin-binding protein; putative MAPK-activating protein PM12; beta-galactoside-binding lectin L-14-I; beta-galactoside-binding protein 14kDa
UniProt Protein Name	Galectin-1
UniProt Gene Name	LGALS1
UniProt Synonym Gene Names	Gal-1; HLBP14
UniProt Entry Name	LEG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/galectin-1/58866>