

Mouse Galectin-1 ELISA Kit | LGALS1 elisa kit

Mouse Galectin-1 PicoKine ELISA Kit

CATALOG #
AAA45202

REACTIVITY
Mouse

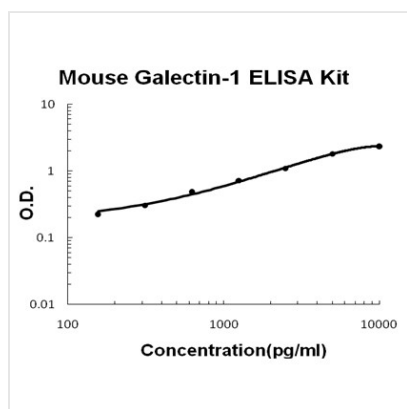
PRODUCT SYNONYMS

Galectin-1; Mouse Galectin-1 PicoKine ELISA Kit; lectin; galactoside-binding; soluble; 1; 14 kDa laminin-binding protein; 14 kDa lectin; Beta galactoside binding protein 14kDa; Beta-galactoside-binding lectin L-14-I; Gal-1; GAL1; Galaptin; GBP; HBL; HLBP14; HPL; Lactose-binding lectin 1; Lectin galactoside-binding soluble 1; LEG1_HUMAN; LGALS1; Putative MAPK-activating protein PM12; S-Lac lectin 1; LGALS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Galectin-1
Sequence Length	135
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 5pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Galectin-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS1 elisa kit	Principle of the assay: mouse Galectin-1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Galectin-1 has been precoated onto 96-well plates. Standards (E.coli,A2-E135) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Galectin-1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 mouse Galectin-1 amount of sample captured in plate. Background: Galectin-1 is a protein that in humans is encoded by the LGALS1 gene.The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS1 may act as an autocrine negative growth factor that regulates cell proliferation.Baldini et al. stated that the mouse beta-galactoside-binding protein is an autocrine regulator of cell proliferation with a role in the maintenance of G0 and in the control of G2 traverse.[4] They found that galectin-1 was expressed in a subset of slowly dividing subventricular zone astrocytes, which included the neural stem cells. Intraventricular infusion experiments and phenotypic analysis of knockout mice showed that galectin-1 was an endogenous factor that promoted the proliferation of neural stem cells in adult mouse brain. The standard product used in this kit is recombinant mouse GALECTIN-1, Ala2-Glu135, with the molecular mass of 15KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126172
NCBI GeneID	16852
UniProt Accession #	P16045; P05163; P11946; P17601; Q4FZH4; Q99M27; Q9D0X0
Molecular Weight	14,866 Da
NCBI Official Full Name	Galectin-1
NCBI Official Synonym Full Names	lectin, galactose binding, soluble 1
NCBI Official Symbol	Lgals1
NCBI Official Synonym Symbols	L14; Gal-1; Galbp; L-14.5; Lect14; AA410090; galectin-1
NCBI Protein Information	galectin-1; galaptin; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; beta-galactoside binding protein; lectin galactoside-binding soluble 1; beta-galactoside-binding lectin L-14-l
UniProt Protein Name	Galectin-1
UniProt Gene Name	Lgals1
UniProt Synonym Gene Names	Gbp; Gal-1
UniProt Entry Name	LEG1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lgals1-mouse-elisa-kits/galectin-1/45202>