

Human Galectin-1 ELISA Kit | LGALS1 elisa kit

Human Galectin-1 PicoKine ELISA Kit

CATALOG #
AAA46655

REACTIVITY
Human

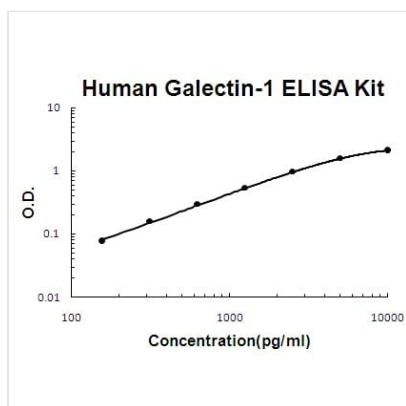
PRODUCT SYNONYMS

Galectin-1; Human Galectin-1 PicoKine ELISA Kit; Galaptin; Galectin 1; Galectin1; Galectin1(Gal1); Galectin-1(Gal-1); HBL; HLBP14; HPL; Lactose binding lectin 1; Lactose-binding lectin 1; LEG1; LGALS1; S Lac lectin 1; S-Lac lectin 1; P09382; lectin; galactoside-binding; soluble; 1; LGALS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Galectin-1
Sequence Length	135
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<15pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
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)

Human Galectin-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS1 elisa kit	Principle of the Assay: Human Galectin-1 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for Galectin-1 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: A2-D135) 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 Human Galectin-1 amount of sample captured in plate. Background/Introduction: 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. Galectin-1 may act as an autocrine negative growth factor that regulates cell proliferation. Its expression in Hodgkin Lymphoma has also been shown to mediate immunosuppression of CD8+ Tcells. Additionally, Galectin-1 is thought to play a role in creating immune tolerance in pregnancy.
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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	galectin 1
NCBI Official Symbol	LGALS1
NCBI Official Synonym Symbols	GBP; GAL1
NCBI Protein Information	galectin-1
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/lgals1-human-elisa-kits/galectin-1/46655>