

Human Galectin 1 ELISA Kit | LGALS1 elisa kit

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CATALOG #
AAA263060

REACTIVITY
Human

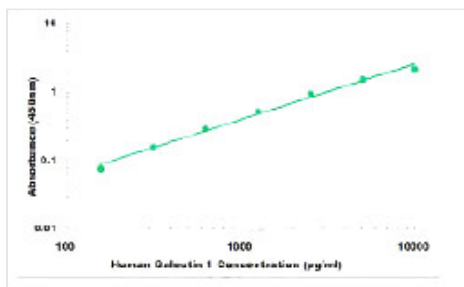
PRODUCT SYNONYMS

Galectin 1; Human Galectin 1 ELISA Kit; 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 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Galectin 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Galectin 1 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	135
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGALS1 elisa kit

Principle of the Assay: The Human Galectin 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Galectin 1 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human Galectin 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Galectin 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Galectin 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Galectin 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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. 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+ T-cells. Additionally, Galectin-1 is thought to play a role in creating immune tolerance in pregnancy.

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-1/263060>