

Goat Galectin-1 (LGALS1) ELISA Kit | LGALS1 elisa kit

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CATALOG #
AAA246463

REACTIVITY
Goat

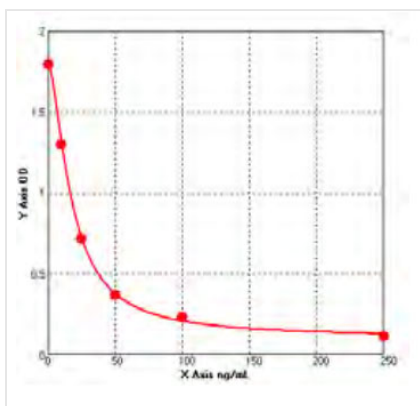
PRODUCT SYNONYMS

Galectin-1 (LGALS1); Goat Galectin-1 (LGALS1) ELISA Kit; LGALS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Specificity	This assay has high sensitivity and excellent specificity for detection of GAL-1. No significant cross-reactivity or interference between GAL-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GAL-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGALS1 elisa kit	Principle of the Assay: GAL-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GAL-1 antibody and an GAL-1-HRP conjugate. The assay sample and buffer are incubated together with GAL-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GAL-1 concentration since GAL-1 from samples and GAL-1-HRP conjugate compete for the anti-GAL-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GAL-1 from the sample, fewer sites are left to bind GAL-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GAL-1 concentration in each sample is interpolated from this standard curve. Intended Uses: This GAL-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat GAL-1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for LGALS1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956
NCBI Accession #	NP_002296.1
NCBI GenBank Nucleotide #	NM_002305.3
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.