

Rat lectin, galactoside-binding, soluble, 3 ELISA Kit | LGALS3 elisa kit

Rat Galectin-3, LGALS3 ELISA Kit

CATALOG #
AAA112293

REACTIVITY
Rat

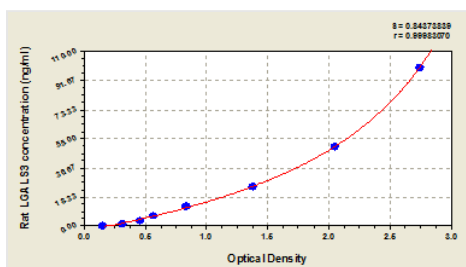
PRODUCT SYNONYMS

lectin; galactoside-binding; soluble; 3; Rat Galectin-3; LGALS3 ELISA Kit; Rat Galectin-3 (LGALS3) ELISA kit; CBP35; GAL3; GALBP; GALIG; LGALS2; MAC2; IgE-binding protein; MAC-2 antigen; carbohydrate-binding protein 35; galactose-specific lectin 3; galectin 3; galectin-3 internal; laminin-binding protein; LGALS3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat LGALS3. No significant cross-reactivity or interference between rat LGALS3 and analogues was observed.
Sequence Length	242
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	1.5 6 ng/ml -100 ng/ml.
Sensitivity	The minimum detectable dose of rat LGALS3 is typically less than 0.39 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGALS3 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for LGALS3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LGALS3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LGALS3 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of LGALS3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723630
NCBI GeneID	100009187
NCBI Accession #	NP_001075807.1
NCBI GenBank Nucleotide #	NM_001082338.1
UniProt Accession #	P47845
Molecular Weight	25,502 Da
NCBI Official Full Name	galectin-3
NCBI Official Symbol	LGALS3
NCBI Protein Information	galectin-3; gal-3; CBP 35; lectin L-29; 35 kDa lectin; mac-2 antigen; igE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35
UniProt Protein Name	Galectin-3
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	Gal-3; CBP 35
UniProt Entry Name	LEG3_RABIT

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/lgals3-rat-elisa-kits/lectin-galactoside-binding-soluble-3/112293>