

Rat Galectin-1 ELISA Kit | LGALS1 elisa kit

Rat Galectin-1 PicoKine ELISA Kit

CATALOG #
AAA124981

REACTIVITY
Rat

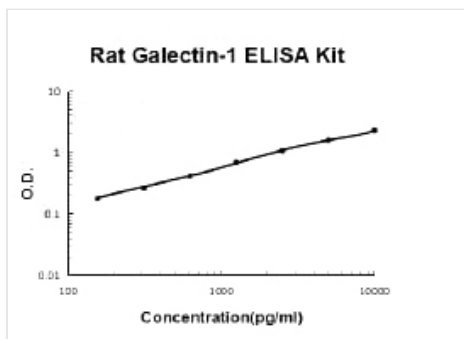
PRODUCT SYNONYMS

Galectin-1; Rat Galectin-1 PicoKine ELISA Kit; Rat Galectin-1; LGALS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Jam3
Sequence Length	135
Samples	Cell Culture Supernates, Serum And Plasma(Heparin, Edta)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<5pg/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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGALS1 elisa kit	Principle of the Assay: The Picokine Rat Jam3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Jam3 with a 96-well strip plate that is pre-coated with antibody specific for Jam3. The detection antibody is a biotinylated antibody specific for Jam3. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Rat Jam3 with immunogen: Expression system for standard: NSO, Immunogen sequence: V32-N241. The kit is analytically validated with ready to use reagents. To measure Rat Jam3, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Rat Jam3 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat Jam3 in the sample!!Background/Introduction: JAM3 belongs to the junctional adhesion molecule protein family and functions as a receptor for another member of this family. This gene is mapped to 8q13. JAM3 plays a part in cell-cell adhesion. The soluble form of JAM3 is a mediator of angiogenesis. JAM3 is a counter-receptor for ITGAM, mediating leukocyteplatelet interactions and is involved in the regulation of transepithelial migration of polymorphonuclear neutrophils (PMN). A mutation in an intron of the JAM3 gene is linked with hemorrhagic destruction of the brain, subependymal calcification, and congenital cataracts.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956
NCBI Accession #	NP_002296.1
NCBI GenBank Nucleotide #	NM_002305.4
UniProt Accession #	P09382
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

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://www.aaabiotech.com/rat-elisa-kits/galectin-1/124981>