

Rat Galectin 4 (GAL4) ELISA Kit | GAL4 elisa kit

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CATALOG #
AAA64641

REACTIVITY
Rat

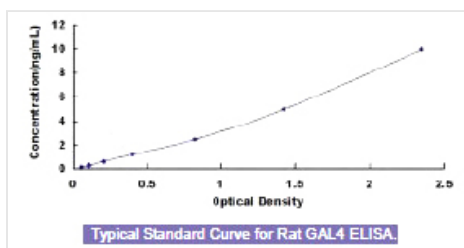
PRODUCT SYNONYMS

Galectin 4 (GAL4); Rat Galectin 4 (GAL4) ELISA Kit; LGALS4; Lactose-Binding Lectin 4; L-36 Lactose-Binding Protein; L36LBP; Lectin; Galactoside-Binding Soluble 4; GAL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GAL4. No significant cross-reactivity or interference between GAL4 and analogues was observed.
Sequence Length	324
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.048ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GAL4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GAL4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAL4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GAL4 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GAL4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GAL4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GAL4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GAL4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981152
NCBI GeneID	25474
NCBI Accession #	NP_037107.1
NCBI GenBank Nucleotide #	NM_012975.1
UniProt Accession #	P38552
Molecular Weight	36,347 Da
NCBI Official Full Name	galectin-4
NCBI Official Synonym Full Names	galectin 4
NCBI Official Symbol	Lgals4
NCBI Official Synonym Symbols	L-36; L36LBI
NCBI Protein Information	galectin-4
UniProt Protein Name	Galectin-4
UniProt Gene Name	Lgals4
UniProt Synonym Gene Names	Gal-4; L36LBP

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.