

Rat Galectin 7 (GAL7) ELISA Kit | GAL7 elisa kit

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CATALOG #
AAA183251

REACTIVITY
Rat

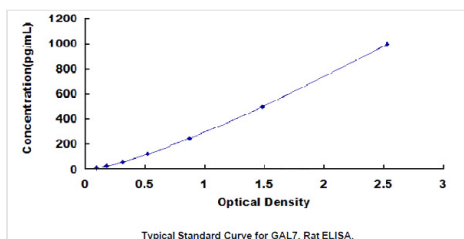
PRODUCT SYNONYMS

Galectin 7 (GAL7); Rat Galectin 7 (GAL7) ELISA Kit; LGALS7; PIG1; TP53I1; HKL-14; Lectin Galactoside-Binding Soluble 7; p53-induced gene 1 protein; GAL7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GAL7. No significant cross-reactivity or interference between GAL7 and analogues was observed.
Sequence Length	136
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GAL7 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 GAL7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAL7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GAL7 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GAL7. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GAL7. 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 GAL7, biotin-conjugated antibody and enzymeconjugated 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 GAL7 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 #	4504985
NCBI GeneID	3963
NCBI Accession #	NP_002298.1
NCBI GenBank Nucleotide #	NM_002307.3
UniProt Accession #	P47929; Q6IB87
Molecular Weight	15,075 Da
NCBI Official Full Name	galectin-7
NCBI Official Synonym Full Names	galectin 7
NCBI Official Symbol	LGALS7
NCBI Official Synonym Symbols	GAL7; LGALS7A
NCBI Protein Information	galectin-7
UniProt Protein Name	Galectin-7
UniProt Gene Name	LGALS7
UniProt Synonym Gene Names	PIG1; Gal-7

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/rat-elisa-kits/galectin-7-gal7/183251>