

Rat Galectin 9 ELISA Kit | GAL9 elisa kit

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CATALOG #
AAA87234

REACTIVITY
Rat

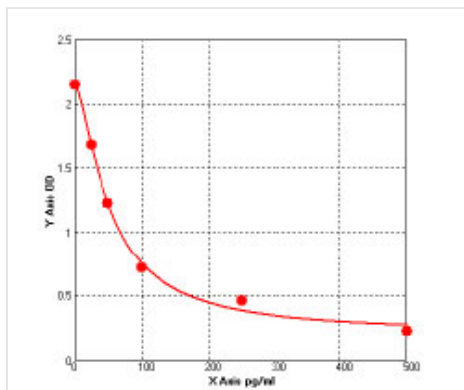
PRODUCT SYNONYMS

Galectin 9; Rat Galectin 9 ELISA Kit; GAL9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GAL-9. No significant cross-reactivity or interference between GAL-9 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GAL-9 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAL9 elisa kit	Intended Uses: This GAL-9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GAL-9. This ELISA kit for research use only! Principle of the Assay: GAL-9 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GAL-9 antibody and an GAL-9-HRP conjugate. The assay sample and buffer are incubated together with GAL-9-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-9 concentration since GAL-9 from samples and GAL-9-HRP conjugate compete for the anti-GAL-9 antibody binding site. Since the number of sites is limited, as more sites are occupied by GAL-9 from the sample, fewer sites are left to bind GAL-9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GAL-9 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GAL9 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	48675889
NCBI GeneID	414343
NCBI Accession #	NP_001001611.1
NCBI GenBank Nucleotide #	NM_001001611.2
Molecular Weight	7,279 Da
NCBI Official Full Name	gallinacin-9 preproprotein
NCBI Official Synonym Full Names	Gal 9
NCBI Official Symbol	GAL9
NCBI Protein Information	gallinacin-9; gal-6; gal-9; gallinacin 6; gallinacin-6; beta-defensin 9
UniProt Protein Name	Gallinacin-9
UniProt Gene Name	GAL9
UniProt Synonym Gene Names	Gal-9; Gal-6
UniProt Entry Name	GLL9_CHICK

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.