

Mouse Galectin 8 (GAL8) ELISA Kit | GAL8 elisa kit

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CATALOG #
AAA135746

REACTIVITY
Mouse

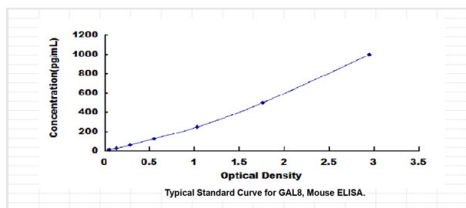
PRODUCT SYNONYMS

Galectin 8 (GAL8); Mouse Galectin 8 (GAL8) ELISA Kit; LGALS8; PCTA1; Po66-CBP; Prostate Carcinoma Tumor Antigen 1; Lectin; Galactoside-Binding Soluble 8; Po66 carbohydrate-binding protein; Prostate carcinoma tumor antigen 1; GAL8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GAL8. No significant cross-reactivity or interference between GAL8 and analogues was observed.
Sequence Length	359
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 6.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GAL8 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 GAL8 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 GAL8 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GAL8. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GAL8. 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 GAL8, 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 GAL8 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GAL8 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for GAL8 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	42544193
NCBI GeneID	3964
NCBI Accession #	NP_963839.1
NCBI GenBank Nucleotide #	NM_201545.2
UniProt Accession #	O00214; O15215; Q5T3P5; Q5T3Q4; Q8TEV1; Q96B92; Q9BXC8; Q9H584; Q9H585; Q9UEZ6; Q9UP32; Q9UP33
Molecular Weight	40,397 Da
NCBI Official Full Name	galectin-8 isoform a
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 8
NCBI Official Symbol	LGALS8
NCBI Official Synonym Symbols	Gal-8; PCTA1; PCTA-1; Po66-CBP
NCBI Protein Information	galectin-8
UniProt Protein Name	Galectin-8
UniProt Gene Name	LGALS8
UniProt Synonym Gene Names	Gal-8; Po66-CBP; PCTA-1
UniProt Entry Name	LEG8_HUMAN

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.