

Sheep Galectin 3 ELISA Kit | GAL3 elisa kit

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CATALOG #
AAA91951

REACTIVITY
Sheep

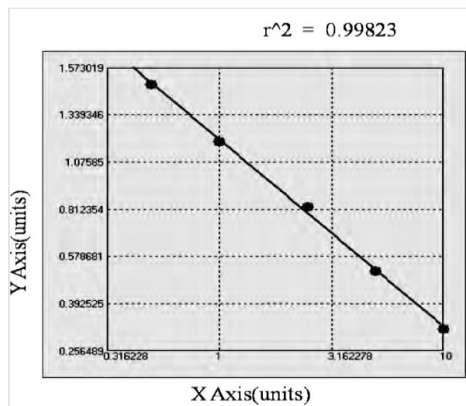
PRODUCT SYNONYMS

Galectin 3; Sheep Galectin 3 ELISA Kit; GAL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GAL3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep GAL3. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAL3 elisa kit

Principle of the assay: GAL3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GAL3 antibody and an GAL3-HRP conjugate. The assay sample and buffer are incubated together with GAL3-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 GAL3 concentration since GAL3 from samples and GAL3-HRP conjugate compete for the anti-GAL3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GAL3 from the sample, fewer sites are left to bind GAL3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GAL3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	294345475
NCBI GeneID	3958
NCBI Accession #	NP_001170859.1
NCBI GenBank Nucleotide #	NM_001177388.1
Molecular Weight	26,152 Da
NCBI Official Full Name	galectin-3 isoform 2
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 3
NCBI Official Symbol	LGALS3
NCBI Official Synonym Symbols	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
NCBI Protein Information	galectin-3; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35
UniProt Protein Name	Galectin-3
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
UniProt Entry Name	LEG3_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.