

Mouse Galectin-3/LGALS3 ELISA Kit | LGALS3 elisa kit

Mouse Galectin-3/LGALS3 PicoKine ELISA Kit

CATALOG #
AAA45555

REACTIVITY
Mouse

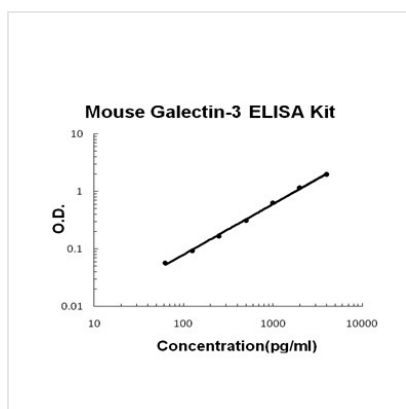
PRODUCT SYNONYMS

Galectin-3/LGALS3; Mouse Galectin-3/LGALS3 PicoKine ELISA Kit; Galectin-3; lectin; galactoside-binding; soluble; 3; 35 kDa lectin; Carbohydrate-binding protein 35; CBP 35; Gal-3; Galactose-specific lectin 3; Galactoside-binding protein; GALBP; GALIG; IgE-binding protein; L-31; Laminin-binding protein; Lectin L-29; LGALS2Mac-2 antigen; MAC2; Macrophage galactose-specific lectin; LGALS3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Galectin-3
Sequence Length	264
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	< 10pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Galectin-3/LGALS3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS3 elisa kit	Principle of the assay: mouse Galectin-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Galectin-3 has been precoated onto 96-well plates. Standards (E.coli,A2-I264) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Galectin-3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse Galectin-3 amount of sample captured in plate. Background: Galectin-3(GAL3), also known as LGALS3, MAC2 or GALBP, is a member of the lectin family, of which 14 mammalian galectins have been identified. Galectin-3 is encoded by a single gene, LGALS3, located on chromosome 14, locus q21-q22. It is expressed in the nucleus, cytoplasm, mitochondrion, cell surface, and extracellular space. Studies have also shown that the expression of galectin-3 is implicated in a variety of processes associated with heart failure, including myofibroblast proliferation, fibrogenesis, tissue repair, inflammation, and Ventricular remodeling. Galectin-3 is expressed in various tissues and organs, but is significantly absent in normal hepatocytes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	81876134
NCBI GeneID	16854
UniProt Accession #	Q8C253; P16110
Molecular Weight	27,415 Da
NCBI Official Full Name	NOD-derived CD11c +ve dendritic cells cDNA, RIKEN full-length enriched library, clone:F630104P19 product:lectin, galactose binding, soluble 3, full insert sequence (NOD-derived CD11c +ve dendritic cells cDNA, RIKEN full-length enriched library, clone:F630
NCBI Official Synonym Full Names	lectin, galactose binding, soluble 3
NCBI Official Symbol	Lgals3
NCBI Official Synonym Symbols	GBP; L-34; gal3; Mac-2
NCBI Protein Information	galectin-3; gal-3; CBP 35; lectin L-29; 35 kDa lectin; mac-2 antigen; igE-binding protein; laminin-binding protein; galactose-specific lectin 3; L-34 galactoside-binding lectin; carbohydrate-binding protein 35
UniProt Protein Name	Galectin
UniProt Gene Name	Lgals3
UniProt Entry Name	Q8C253_MOUSE

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.