

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

Human Galectin-3/LGALS3 PicoKine ELISA Kit

CATALOG #
AAA45529

REACTIVITY
Human

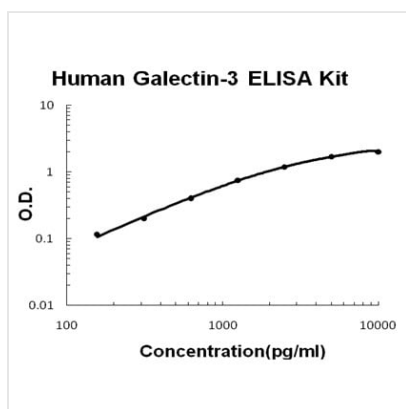
PRODUCT SYNONYMS

Galectin-3/LGALS3; Human 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	Human
Specificity	Natural and recombinant human Galectin-3
Sequence Length	250
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/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)

Human Galectin-3/LGALS3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LGALS3 elisa kit	Principle of the assay: human Galectin-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Galectin-3 has been precoated onto 96-well plates. Standards(E.coli,A2-I250) 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 human 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.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	215274262
NCBI GeneID	3958
UniProt Accession #	P17931; Q16005; Q6IBA7; Q96J47; B2RC38
Molecular Weight	26,152 Da
NCBI Official Full Name	Galectin-3
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.