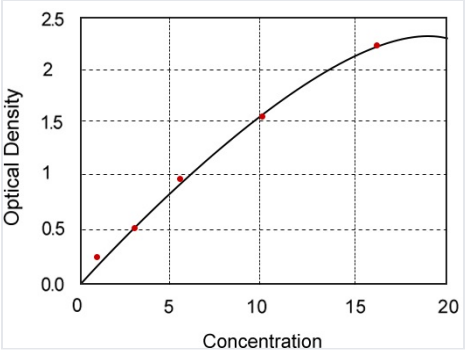
Galectin-3 (LGALS3) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Galectin-3 (LGALS3), ELISA Kit
Full Product Name	Human Galectin-3 ELISA Kit
Product Gene Name	LGALS3 elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Detection Range	0.2ng/ml - 60ng/ml
Sensitivity	0.13ng/ml
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Molecular Weight	26,152 Da
3D Structure	ModBase 3D Structure for P17931
Intra-Assay	CV<8%
Inter-Assay	CV<10%
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LGALS3 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of human Galectin 3 (also known as GAL-3) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human GAL-3 antibody. GAL-3 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human GAL-3 Antibody is added and binds to GAL-3 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated GAL-3 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human GAL-3. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
Other Notes	Small volumes of LGALS3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for LGALS3 purchase	MBS162027 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Galectin-3 (LGALS3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing LGALS3. The ELISA analytical biochemical technique of the MBS162027 kit is based on LGALS3 antibody-LGALS3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect LGALS3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, LGALS3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of LGALS3 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LGALS3. It may not necessarily be applicable to this product.

NCBI GI #	2385452
NCBI GeneID	3958
NCBI Accession #	BAA22164.1
UniProt Primary Accession #	P17931
UniProt Secondary Accession #	Q16005; Q6IBA7; Q96J47; B2RC38
UniProt Related Accession #	P17931
NCBI Official Full Name	galectin-3
NCBI Official Synonym Full Names	galectin 3
NCBI Official Symbol	LGALS3
NCBI Official Synonym Symbols	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
UniProt Protein Name	Galectin-3
UniProt Synonym Protein Names	35 kDa lectin; Carbohydrate-binding protein 35; CBP 35; Galactose-specific lectin 3; Galactoside-binding protein; GALBP; IgE-binding protein; L-31; Laminin-binding protein; Lectin L-29; Mac-2 antigen
Protein Family	Galectin-3-binding protein
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
NCBI Protein Information	galectin-3
NCBI Summary for LGALS3	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]
UniProt Comments for LGALS3	Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis (). In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells.
Research Articles on LGALS3	**1.** High GAL-3 expression is associated with Salivary Gland Tumor.

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