Galectin 3 (GAL3) ELISA Kit for Donkey

PRODUCT OVERVIEW

Product Name	Galectin 3 (GAL3), ELISA Kit
Full Product Name	Donkey Galectin 3 ELISA Kit
Product Gene Name	GAL3 elisa kit
Species Reactivity	Donkey
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	26,152 Da
Chromosome Location	Chromosome: 14; NC_000014.8 (55595935..55612148). Location: 14q22.3
OMIM	153619
3D Structure	ModBase 3D Structure for P17931
Related Product Information for GAL3 elisa kit	MBS074319 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Galectin 3 (GAL3) 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 GAL3. The ELISA analytical biochemical technique of the MBS074319 kit is based on GAL3 antibody-GAL3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GAL3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GAL3. 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(%).
Other Notes	Small volumes of GAL3 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GAL3. It may not necessarily be applicable to this product.

NCBI GI #	294345475
NCBI GeneID	3958
NCBI Accession #	NP_001170859.1
UniProt Primary Accession #	P17931
UniProt Secondary Accession #	Q16005; Q6IBA7; Q96J47; B2RC38
UniProt Related Accession #	P17931
GenBank Nucleotide #	NM_001177388.1
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
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
UniProt Entry Name	LEG3_HUMAN
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
NCBI Summary for GAL3	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. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]
UniProt Comments for GAL3	Galectin-3: galactose-specific lectin which binds IgE. Expressed at a high level in the colonic epithelium. Also abundant in activated macrophages. Protein type: Motility/polarity/chemotaxis; Extracellular matrix; Cell surface Chromosomal Location of Human Ortholog: 14q22.3 Cellular Component: extracellular matrix; spliceosome; proteinaceous extracellular matrix; extracellular space; membrane; cytoplasm; mitochondrial inner membrane; plasma membrane; immunological synapse; nucleus; external side of plasma membrane Molecular Function: protein binding; laminin binding; IgE binding; carbohydrate binding; chemoattractant activity Biological Process: neutrophil chemotaxis; extracellular matrix organization and biogenesis; RNA splicing; negative regulation of endocytosis; regulation of T cell proliferation; negative regulation of T cell receptor signaling pathway; macrophage chemotaxis; monocyte chemotaxis; epithelial cell differentiation; positive chemotaxis; eosinophil chemotaxis; innate immune response; mRNA processing; skeletal development
Research Articles on GAL3	**1.** Galectin-3 correlated significantly with certain biomarkers involved in extracellular matrix turnover, although no definite relationship was identified with LV remodeling.
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