Galectin-3 (GAL3) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Galectin-3 (GAL3), Polyclonal Antibody
Full Product Name	Galectin-3 (GAL3, Carbohydrate Binding Protein 35, CBP35, Galactose Specific Lectin 3, Galactoside Binding Protein, GALBP, IgE Binding Protein, La
Product Gene Name	anti-GAL3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human LGALS3. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	153619
3D Structure	ModBase 3D Structure for P17931
Immunogen	Full length human LGALS3, aa1-250 (AAH53667.1).
Immunogen Sequence	MADNFSLHDALSGSGNPNPQGWPGAWGNQPAGAGGYPGASYPGAYPGQAPPGAYPGQAPPGAYHGAPGAYPGAPAPGVYPGPPSGPGAYPSSGQ
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-GAL3 antibody	Antibodies; Lamin; Laminin
Applications Tested/Suitable for anti-GAL3 antibody	Western Blot (WB)
Application Notes for anti-GAL3 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GAL3 antibody	Lectins are carbohydrate binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells. The Galectins are lectins that rec controlling cell cycle and preventing T-cell apoptosis, and also extracellularly, in activating various cells, including monocytes/macrophages, mast cells,
Other Notes	Small volumes of anti-GAL3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa

Searchable Terms for GAL3 purchase	MBS6379269 is an antibody targeting GAL3. Also known as Galectin-3 (GAL3, Carbohydrate Binding Protein 35, CBP35, Galactose Specific Lectin 3,

ADDITIONAL DETAILS

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

NCBI GI #	31657226
NCBI GeneID	3958
NCBI Accession #	AAH53667.1
UniProt Primary Accession #	P17931
UniProt Related Accession #	P17931
GenBank Nucleotide #	NM_002306.1
NCBI Official Full Name	Lectin, galactoside-binding, soluble, 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
UniProt Entry Name	LEG3_HUMAN
NCBI Protein Information	galectin-3
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. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]
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: Cell surface; Motility/polarity/chemotaxis; Extracellular matrix Chromosomal Location of Human Ortholog: 14q22.3 Cellular Component: extracellular matrix; spliceosome; extracellular space; proteinaceous extracellular matrix; membrane; mitochondrial inner membrane; cytoplasm; plasma membrane; immunological synapse; nucleus; external side of plasma membrane Molecular Function: protein binding; laminin binding; IgE binding; carbohydrate binding; chemoattractant activity Biological Process: monocyte chemotaxis; neutrophil chemotaxis; extracellular matrix organization and biogenesis; epithelial cell differentiation; positive chemotaxis; RNA splicing; negative regulation of endocytosis; regulation of T cell proliferation; eosinophil chemotaxis; negative regulation of T cell receptor signaling pathway; innate immune response; mRNA processing; skeletal development; macrophage chemotaxis

Research Articles on GAL3	**1.** Elevated levels of galectin-3 reflect its involvement in post-Kala-Azar dermal leishmaniasis pathogenesis.
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