Galectin 9 (GAL9) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Galectin 9 (GAL9), Polyclonal Antibody
Full Product Name	PE-Linked Polyclonal Antibody to Galectin 9 (GAL9)
Product Gene Name	anti-GAL9 antibody
Product Synonym Names	LGALS9; Ecalectin; Lectin, Galactoside-Binding Soluble 9; Tumor antigen HOM-HD-21
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: GAL9 (MBS2027237) PE Conjugated Antibody: GAL9 (MBS2040914)
Matching Pairs	PE Conjugated Antibody: GAL9 (MBS2040914) Immunogen: GAL9 (MBS2030620)
Molecular Weight	38,321 Da
OMIM	Z49107 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	GAL9 (Met1~Thr355)
Conjugation	PE
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2027237
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-GAL9 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-GAL9 antibody	MBS2040914 is an antibody targeting GAL9. Also known as PE-Linked Polyclonal Antibody to Galectin 9 (GAL9). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-GAL9 antibody 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 GAL9. It may not necessarily be applicable to this product.

NCBI GI #	18148434
NCBI GeneID	3965
NCBI Accession #	BAB83625.1
UniProt Secondary Accession #	O14532; O75028; Q3B8N1; Q53FQ0; Q8WYQ7; Q9NQ58; A7VJG6; F8W9W4

UniProt Related Accession #	O00182
NCBI Official Full Name	galectin-9
NCBI Official Synonym Full Names	galectin 9
NCBI Official Symbol	LGALS9
NCBI Official Synonym Symbols	HUAT; LGALS9A
UniProt Protein Name	Galectin-9
UniProt Synonym Protein Names	Ecalectin; Tumor antigen HOM-HD-21
Protein Family	Gallinacin
UniProt Gene Name	LGALS9
UniProt Synonym Gene Names	Gal-9
NCBI Protein Information	galectin-9
NCBI Summary for GAL9	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for GAL9	galectin-9: Binds galactosides. Has high affinity for the Forssman pentasaccharide. May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. Inhibits cell proliferation. It is a ligand for HAVCR2/TIM3. Induces T-helper type 1 lymphocyte (Th1) death. Isoform Short acts as an eosinophil chemoattractant. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Chromosomal Location of Human Ortholog: 17q11.2 Cellular Component: cytoplasm; extracellular space; intracellular; nucleus Molecular Function: carbohydrate binding; disaccharide binding; enzyme binding; galactose binding; signal transducer activity Biological Process: activation of NF-kappaB transcription factor; female pregnancy; inflammatory response; maternal process involved in pregnancy; natural killer cell tolerance induction; negative regulation of activated T cell proliferation; negative regulation of chemokine production; negative regulation of interferon-gamma production; negative regulation of mast cell degranulation; negative regulation of natural killer cell mediated cytotoxicity; negative regulation of tumor necrosis factor production; positive regulation of CD4-positive, CD25-positive, alpha-beta regulatory T cell differentiation during immune response; positive regulation of I-kappaB kinase/NF-kappaB cascade; positive regulation of interleukin-1 beta secretion; positive regulation of interleukin-4 production; positive regulation of NF-kappaB import into nucleus; positive regulation of virion penetration into host cell; regulation of interleukin-4 production; regulation of interleukin-5 production; response to lipopolysaccharide; toll-like receptor 2 signaling pathway; toll-like receptor 4 signaling pathway
Research Articles on GAL9	**1.** In a genetic analysis of heavy consumers of alcohol, the authors associated 2 single-nucleotide polymorphisms in LGALS9 with the development of advanced alcoholic liver disease.
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