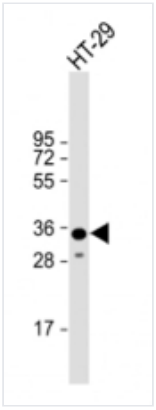
LGALS4 Antibody – Rabbit Polyclonal

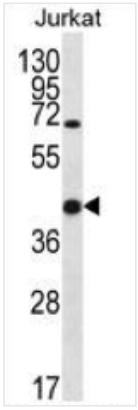
PRODUCT OVERVIEW

Product Name	LGALS4, Polyclonal Antibody
Full Product Name	LGALS4, NT (LGALS4, Galectin-4, Antigen NY-CO-27, L-36 lactose-binding protein, Lactose-binding lectin 4) (MaxLight 750)
Product Gene Name	anti-LGALS4 antibody
Product Synonym Names	LGALS4; Galectin-4; Antigen NY-CO-27; L-36 lactose-binding protein; Lactose-binding lectin 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human LGALS4.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	35,941 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (39292311..39303740, complement). Location: 19q13.2
OMIM	602518
3D Structure	ModBase 3D Structure for P56470
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 70-98 in the N-terminal region of human LGALS4, UniProt Accession #NP_006140.1; P56470.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-LGALS4 antibody	Antibodies; Lectins
Applications Tested/Suitable for anti-LGALS4 antibody	Western Blot (WB), Flow Cytometry (FC/FACS), FLISA
Application Notes for anti-LGALS4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-LGALS4 antibody	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer.
Product References and Citations for anti-LGALS4 antibody	1. Zimbardi, A.L., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 66 (PT 5), 542-545 (2010). 2. Stechly, L., et al. Traffic 10(4):438-450(2009). 3. Tripodi, D., et al. BMC Med Genomics 2, 65 (2009). 4. Oberg, C.T., et al. Bioorg. Med. Chem. Lett. 18(13):3691-3694(2008). 5. Ideo, H., et al. J. Biol. Chem. 282(29):21081-21089(2007).

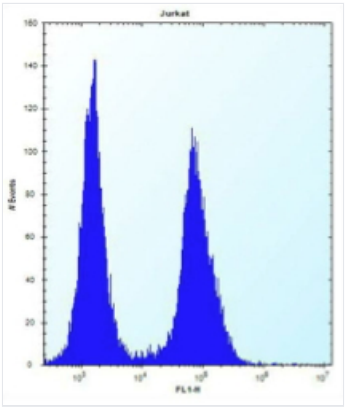
Other Notes	Small volumes of anti-LGALS4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for LGALS4 purchase	MBS6315820 is an antibody targeting LGALS4. Also known as LGALS4, NT (LGALS4, Galectin-4, Antigen NY-CO-27, L-36 lactose-binding protein, Lactose-binding lectin 4) (MaxLight 750). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-LGALS4 antibody
Western Blot analysis in HT-29 whole cell lysate (20ug) using MBS6006042 (1:1000). Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1:10,000 dilution. Predicted band size: 36kD. Blocking/Dilution buffer: 5% NFDM/TBST.



Western Blot (WB) of anti-LGALS4 antibody
Western Blot analysis in Jurkat cell line lysates (35ug/lane) usingMBS6006042. This demonstrates that MBS6006042 detected the LGALS4 protein (arrow).



Flow Cytometry (FC/FACS) of anti-LGALS4 antibody
Flow Cytometric analysis of Jurkat cells using MBS6006042 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LGALS4. It may not necessarily be applicable to this product.

NCBI GI #	5453712
NCBI GeneID	3960
NCBI Accession #	NP_006140.1
UniProt Primary Accession #	P56470
UniProt Related Accession #	P56470
GenBank Nucleotide #	NM_006149.3
NCBI Official Full Name	galectin-4
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 4
NCBI Official Symbol	LGALS4

NCBI Official Synonym Symbols	GAL4; L36LBP
UniProt Protein Name	Galectin-4
UniProt Synonym Protein Names	Antigen NY-CO-27; L-36 lactose-binding protein; L36LBP; Lactose-binding lectin 4
Protein Family	Galectin
UniProt Gene Name	LGALS4
UniProt Synonym Gene Names	Gal-4; L36LBP
UniProt Entry Name	LEG4_HUMAN
NCBI Protein Information	galectin-4; gal-4; galectin 4; antigen NY-CO-27; lactose-binding lectin 4; L-36 lactose-binding protein
UniProt Comments for LGALS4	galectin-4: Galectin that binds lactose and a related range of sugars. May be involved in the assembly of adherens junctions. Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: plasma membrane; cytosol Molecular Function: carbohydrate binding Biological Process: cell adhesion
Research Articles on LGALS4	**1.** Data indicate that Gal-1, Gal-2, Gal-4, and partly Gal-3 bound to monocytes/macrophages.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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