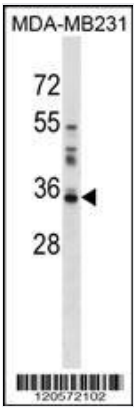
LGALS8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LGALS8, Polyclonal Antibody
Full Product Name	LGALS8, CT (LGALS8, Galectin-8, Po66 carbohydrate-binding protein, Prostate carcinoma tumor antigen 1) (Azide free) (HRP)
Product Gene Name	anti-LGALS8 antibody
Product Synonym Names	LGALS8; Galectin-8; Po66 carbohydrate-binding protein; Prostate carcinoma tumor antigen 1
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 Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	37.9 kDa (337aa), confirmed by MALDI-TOF
OMIM	606099
3D Structure	ModBase 3D Structure for O00214
Immunogen	LGALS8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 269-297 amino acids from the C-terminal region of human LGALS8.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-LGALS8 antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-LGALS8 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-LGALS8 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-LGALS8 antibody	This gene encodes a member of the galectin family. Galectins are beta-galactoside-binding animal lectins with conserved carbohydrate recognition domains. The galectins have been implicated in many essential functions including development, differentiation, cell-cell adhesion, cell-matrix interaction, growth regulation, apoptosis, and RNA splicing. This gene is widely expressed in tumoral tissues and seems to be involved in integrin-like cell interactions. Alternatively spliced transcript variants encoding different isoforms have been identified.
Product References and Citations for anti-LGALS8 antibody	Cludts, S., et al. Anticancer Res. 29(12):4933-4940(2009). Cueni, L.N., et al. Exp. Cell Res. 315(10):1715-1723(2009). Yoshida, H., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 65 (PT 5), 512-514 (2009): Massardo, L., et al. Lupus 18(6):539-546(2009). Savin, S., et al. Med. Oncol. 26(3):314-318(2009).

Other Notes	Small volumes of anti-LGALS8 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 LGALS8 purchase	MBS6315837 is an antibody targeting LGALS8. Also known as LGALS8, CT (LGALS8, Galectin-8, Po66 carbohydrate-binding protein, Prostate carcinoma tumor antigen 1) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-LGALS8 antibody
LGALS8 Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the LGALS8 antibody detected the LGALS8 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LGALS8. It may not necessarily be applicable to this product.

NCBI GI #	42544187
NCBI GeneID	3964
NCBI Accession #	NP_963837
UniProt Primary Accession #	O00214
UniProt Secondary Accession #	O15215; Q5T3P5; Q5T3Q4; Q8TEV1; Q96B92; Q9BXC8; Q9H584; Q9H585; Q9UEZ6; Q9UP32; Q9UP33
UniProt Related Accession #	O00214
GenBank Nucleotide #	NM_201543.2
NCBI Official Full Name	galectin-8 isoform b
NCBI Official Synonym Full Names	galectin 8
NCBI Official Symbol	LGALS8
NCBI Official Synonym Symbols	Gal-8; PCTA1; PCTA-1; Po66-CBP
UniProt Protein Name	Galectin-8
UniProt Synonym Protein Names	Po66 carbohydrate-binding protein; Po66-CBP; Prostate carcinoma tumor antigen 1
Protein Family	Galectin
UniProt Gene Name	LGALS8
UniProt Synonym Gene Names	Gal-8; Po66-CBP; PCTA-1
UniProt Entry Name	LEG8_HUMAN
NCBI Protein Information	galectin-8

UniProt Comments for LGALS8	LGALS8: 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell adhesion Chromosomal Location of Human Ortholog: 1q43 Cellular Component: extracellular space; membrane; cytoplasm Molecular Function: protein binding; carbohydrate binding Biological Process: plasma cell differentiation; T cell costimulation
Research Articles on LGALS8	**1.** Both Gal-8 isoforms led to enhanced adhesion of myeloma cells to vascular endothelium under dynamic shear stress conditions, Gal-8L (by more than 40-fold) even stronger than Gal-8S.
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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