

LGALS1 Antibody Blocking Peptide

Synthetic peptide

Catalog # BP7576a

Specification

LGALS1 Antibody Blocking Peptide - Product Information

Primary Accession

[P09382](#)**LGALS1 Antibody Blocking Peptide - Additional Information**

Gene ID 3956

Other Names

Galectin-1, Gal-1, 14 kDa laminin-binding protein, HLB14, 14 kDa lectin, Beta-galactoside-binding lectin L-14-I, Galaptin, HBL, HPL, Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, Putative MAPK-activating protein PM12, S-Lac lectin 1, LGALS1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7576a](/products/AP7576a) was selected from the region of human LGALS1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LGALS1 Antibody Blocking Peptide - Protein InformationName LGALS1 ([HGNC:6561](#))**Function**

Lectin that binds beta-galactoside and a wide array of complex carbohydrates. Plays a role in regulating apoptosis, cell proliferation and cell differentiation. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis.

Cellular Location

Secreted, extracellular space, extracellular matrix. Cytoplasm. Secreted Note=Can be secreted; the secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum- Golgi intermediate compartment) followed by vesicle entry and secretion.

Tissue Location

Expressed in placenta, maternal decidua and fetal membranes. Within placenta, expressed in trophoblasts, stromal cells, villous endothelium, syncytiotrophoblast apical membrane and villous stroma. Within fetal membranes, expressed in amnion, chorioamniotic mesenchyma and chorion (at protein level). Expressed in cardiac, smooth, and skeletal muscle, neurons, thymus, kidney and hematopoietic cells.

LGALS1 Antibody Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

LGALS1 Antibody Blocking Peptide - Images**LGALS1 Antibody Blocking Peptide - Background**

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS1 may act as an autocrine negative growth factor that regulates cell proliferation.

LGALS1 Antibody Blocking Peptide - References

Bi,S.,J. Biol. Chem. 283 (18), 12248-12258 (2008)Le Mercier,M., J. Neuropathol. Exp. Neurol. 67 (5), 456-469 (2008)Pacienza,N., FASEB J. 22 (4), 1113-1123 (2008)