

Galectin-3 Blocking Peptide
Catalog # PBV10249b**Specification**

Galectin-3 Blocking Peptide - Product Information

Primary Accession	P08699
Gene ID	83781
Calculated MW	27202

Galectin-3 Blocking Peptide - Additional Information**Gene ID** 83781**Application & Usage**

The peptide is used for blocking the antibody activity of Galectin-3. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C.

Other Names

Galectin-3, Gal-3, 35 kDa lectin, Carbohydrate-binding protein 35, CBP 35, Galactose-specific lectin 3, IgE-binding protein, Laminin-binding protein, Lectin L-29, Mac-2 antigen, Lgals3

Target/Specificity

Galectin-3

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Galectin-3 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Galectin-3 Blocking Peptide - Protein Information**Name** Lgals3**Function**

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion,

chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. Together with TRIM16, coordinates the recognition of membrane damage with mobilization of the core autophagy regulators ATG16L1 and BECN1 in response to damaged endomembranes (By similarity). Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P17931}. Nucleus {ECO:0000250|UniProtKB:P17931}. Secreted {ECO:0000250|UniProtKB:P17931}. Note=Secreted by a non-classical secretory pathway and associates with the cell surface. 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. {ECO:0000250|UniProtKB:P17931}

Galectin-3 Blocking Peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Galectin-3 Blocking Peptide - Images