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Anti-LGALS3 / Galectin 3 Antibody (clone B2C10)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18268

Specification

Anti-LGALS3 / Galectin 3 Antibody (clone B2C10) - Product Information

Application	**WB, IHC-P, IHC-F, FuncS, FC**
Primary Accession	P17931
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**26152**
Dilution	**WB~~1:1000** **IHC-P~~N/A** **IHC-F~~N/A** **FuncS~~N/A** **FC~~1:10~50**

Anti-LGALS3 / Galectin 3 Antibody (clone B2C10) - Additional Information

Gene ID 3958

Alias Symbol	**LGALS3**

Other Names
LGALS3, 35 kd lectin, 35 kDa lectin, CBP35, GAL3, Galactoside-binding protein, GALIG, IgE-binding protein, Laminin-binding protein, Gal-3, GALBP, MAC-2, Mac-2 antigen, L31, MAC2, CBP 35, Galactose-specific lectin 3, Galectin-3, L-31, Lectin L-29

Reconstitution & Storage
Purified

Precautions
Anti-LGALS3 / Galectin 3 Antibody (clone B2C10) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-LGALS3 / Galectin 3 Antibody (clone B2C10) - Protein Information

Name LGALS3 (HGNC:6563)

Synonyms MAC2

Function
Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis (By similarity). 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.

Cellular Location
Cytoplasm. Nucleus. Secreted. 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 (PubMed:32272059).

Tissue Location
A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages. Expressed in fetal membranes.

Anti-LGALS3 / Galectin 3 Antibody (clone B2C10) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-LGALS3 / Galectin 3 Antibody (clone B2C10) - Images