

Anti-LGALS3 / Galectin 3 Antibody (clone 52C1)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17903**Specification**

Anti-LGALS3 / Galectin 3 Antibody (clone 52C1) - Product Information

Application	WB, IHC-P, IF, ICC
Primary Accession	P17931
Predicted	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	26152
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 ICC~~N/A

Anti-LGALS3 / Galectin 3 Antibody (clone 52C1) - 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

Target/Specificity

Clone 5C21 is known to react with Galectin-3 from human, mouse and rat. Since Galectin-3 is highly conserved, it is likely that the antibody is effective on other species also.

Reconstitution & Storage

Affinity purified

Precautions

Anti-LGALS3 / Galectin 3 Antibody (clone 52C1) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-LGALS3 / Galectin 3 Antibody (clone 52C1) - 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 52C1) - 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](#)

Anti-LGALS3 / Galectin 3 Antibody (clone 52C1) - Images