

# Galectin-3

Rabbit Monoclonal antibody(Mab)
Catalog # AD80187

#### **Product Information**

Application IHC-P
Primary Accession P17931
Reactivity Human
Host Rabbit
Clonality Monoclonal
Clone Names 863B1F1
Calculated MW 26152

### **Additional Information**

Gene ID 3958 Gene Name LGALS3

Other Names Galectin-3, Gal-3, 35 kDa lectin, Carbohydrate-binding protein 35, CBP 35,

Galactose-specific lectin 3, Galactoside-binding protein, GALBP, IgE-binding protein, L-31, Laminin-binding protein, Lectin L-29, Mac-2 antigen, LGALS3

(<u>HGNC:6563</u>), MAC2

**Dilution** IHC-P~~Ready-to-use

**Storage** Maintain refrigerated at 2-8°C.

**Precautions** Galectin-3 Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

#### **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

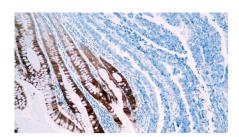
dependent on protein unfolding and facilitated by the cargo receptor

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).

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

#### **Tissue Location**

## **Images**



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.