

## ARG66239 anti-Galectin 3 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody recognizes Galectin 3
Tested Reactivity	Hu, Ms
Tested Application	IHC-Fr, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Target Name	Galectin 3
Species	Human
Immunogen	Recombinant protein of Human Galectin-3.
Conjugation	Un-conjugated
Alternate Names	Laminin-binding protein; Gal-3; L-31; GALBP; Galactoside-binding protein; MAC2; GAL3; GALIG; Mac-2 antigen; CBP 35; Galectin-3; CBP35; Galactose-specific lectin 3; IgE-binding protein; L31; 35 kDa lectin; Carbohydrate-binding protein 35; Lectin L-29

### Application Instructions

Application table	Application	Dilution
	IHC-Fr	1:50 - 1:300
	IHC-P	1:50 - 1:200
	WB	1:2000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	26 kDa	

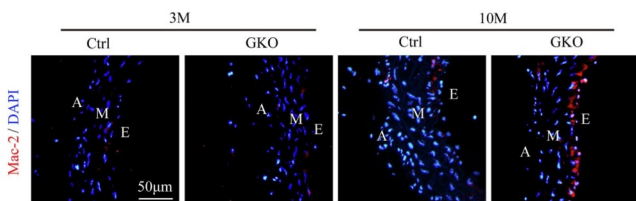
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

Gene Symbol	LGALS3
Gene Full Name	lectin, galactoside-binding, soluble, 3
Background	This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]
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. [UniProt]
Calculated Mw	26 kDa

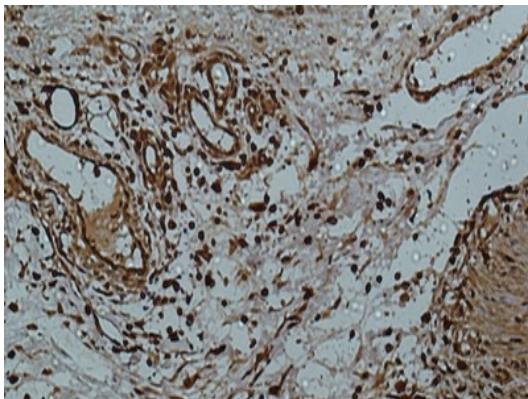
## Images



ARG66239 anti-Galectin 3 antibody IHC-Fr image

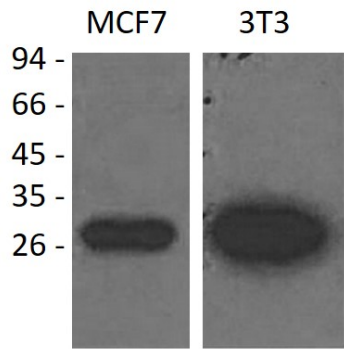
Immunohistochemistry: Mouse intima-media wall stained with ARG66239 anti-Galectin 3 antibody at 1:200 dilution.

From Rui Fan et al. *Biochim Biophys Acta Mol Cell Biol Lipids.* (2023), doi: [10.1016/j.bbalip.2023.159330](https://doi.org/10.1016/j.bbalip.2023.159330), Fig. 2B.



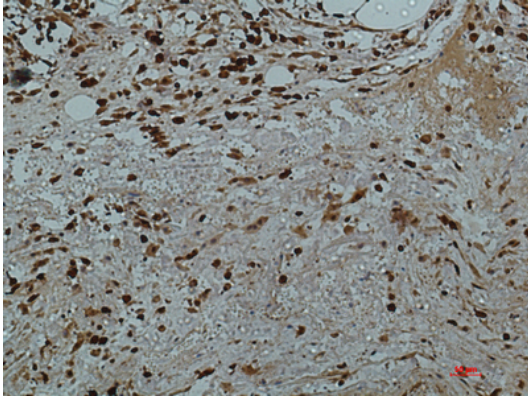
ARG66239 anti-Galectin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue stained with ARG66239 anti-Galectin 3 antibody at 1:50 dilution.



ARG66239 anti-Galectin 3 antibody WB image

Western blot: MCF7 and 3T3 cell lysates stained with ARG66239 anti-Galectin 3 antibody at 1:2000 dilution.



ARG66239 anti-Galectin 3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue stained with ARG66239 anti-Galectin 3 antibody at 1:50 dilution.