

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
Clone	8D7
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	

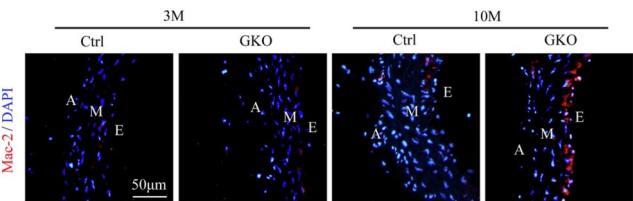
Properties

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

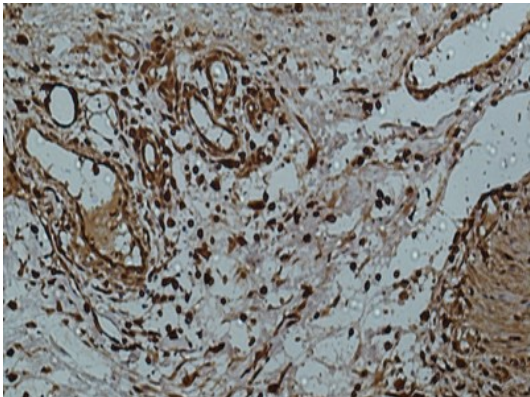
Images



ARG66239 anti-Galectin 3 antibody IHC-Fr image

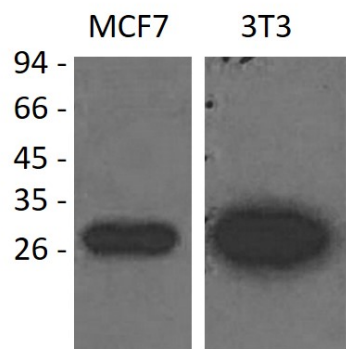
Immunohistochemistry: Mouse intima-media wall stained with ARG66239 anti-Galectin 3 antibody at 1:200 dilution.

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.



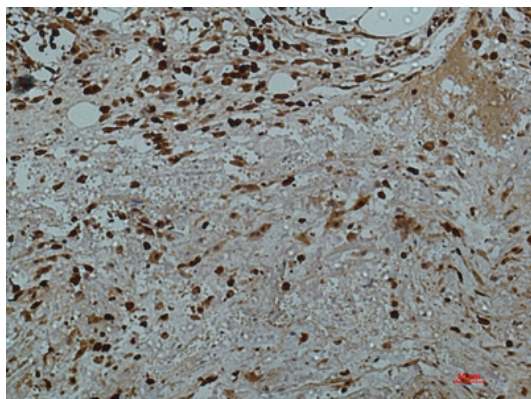
ARG66239 anti-Galectin 3 antibody IHC-P image

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.