

**bs-0721R****[ Primary Antibody ]**

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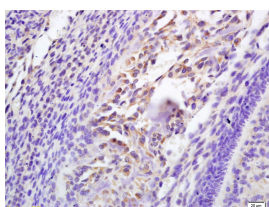
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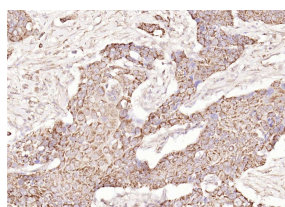
400-901-9800

**Galectin 3 Rabbit pAb****— DATASHEET —**

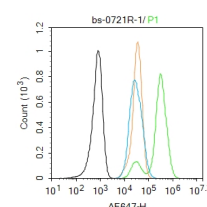
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1ug/Test)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3958	<b>SWISS:</b> P17931	
<b>Target:</b> Galectin 3		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Galectin 3: 151-250/250.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 29 kDa
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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]		<b>Subcellular Location:</b> Secreted ,Cell membrane ,Cytoplasm ,Nucleus

**— VALIDATION IMAGES —**

Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Galectin 3 Polyclonal Antibody, Unconjugated (bs-0721R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Human esophageal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Galectin 3) Polyclonal Antibody, Unconjugated (bs-0721R) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-Galectin 3 antibody (bs-0721R) Dilution: 1µg / 10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 1µg / test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

**— SELECTED CITATIONS —**

- **[IF=5.36]** White, Michael JV, David Roife, and Richard H. Gomer. "Galectin-3 Binding Protein Secreted by Breast Cancer

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- Cells Inhibits Monocyte-Derived Fibrocyte Differentiation." The Journal of Immunology (2015): 1500365. Other ;="Human". 26136428
- **[IF=2.663]** Zeng Y et al. Bitter melon (*Momordica charantia*) attenuates atherosclerosis in apo-E knock-out mice possibly through reducing triglyceride and anti-inflammation.(2018) *Lipids in Health and Disease*, Nov 6;17(1):251. IHC ;Mouse. 30400958
  - **[IF=3.218]** Liu H et al. Dual-signal sandwich-type electrochemical immunoassay of galectin-3 using methylene blue and gold nanoparticles biolabels. *Journal of Electroanalytical Chemistry*, 113952 (2020). Other ;Human. doi:10.1016/j.jelechem.2020.113952
  - **[IF=2.824]** Xu Mei. et al. *Trichinella spiralis* co-infection exacerbates *Plasmodium berghei* malaria-induced hepatopathy. *Parasite Vector*. 2020 Dec;13(1):1-16 IHC ;Mouse. 32883347
  - **[IF=1.08]** Lee, Ju Yeon, et al. "Molecular cloning and expression analysis of pig CD7." *Veterinary Research Communications* (2014): 1-7. Other ;="Pig". 24792331