

**Mouse Anti-Galectin-3 [B2C10]: MC0132, MC0132RTU7**

**Intended Use:** For Research Use Only

**Description:** Galectin-3 is a 31 kD beta-galactosidase binding lectin. It has been associated with binding to the basement membrane glycoprotein laminin. Anti-Galectin-3 has been demonstrated to be valuable in differentiating between benign and malignant thyroid neoplasms in both histologic sections and fine needle aspiration biopsy material. Anti-Galectin-3 antibody has also been useful in identifying anaplastic large cell lymphoma. New studies show that Galectin-3 has been linked to tumors observed in two rare genetic diseases tuberous sclerosis complex (TSC) and lymphangiomyomatosis (LAM). These findings may help discover new treatments and other markers for disease diagnosis and prognosis.

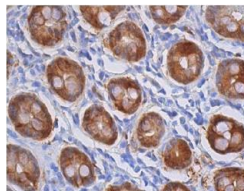
**Specifications**

Clone: B2C10  
Source: Mouse  
Reactivity: Human, mouse, rat  
Isotype: IgG1k  
Localization: Cytoplasm, nucleus  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC, Flow Cyt., ICC/IF, IP, WB  
Package:

Description	Catalog No.	Size
Galectin-3 Concentrated	MC0132	1 ml
Galectin-3 Prediluted	MC0132RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue: Prostate, small intestine tissue  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual  
\* Result should be confirmed by an established diagnostic procedure.



FFPE human colon stained with anti-Galectin-3 using DAB

**References:**

1. Dedicated SNAREs and specialized TRIM cargo receptors mediate secretory autophagy. Kimura, T. et al. EMBO J. 36: 42-60, 2017.
2. Immunohistochemical Subcellular Localization of Protein Biomarkers Distinguishes Benign from Malignant Thyroid Nodules: Potential for Fine-Needle Aspiration Biopsy Clinical Application. Ralhan, R. et al. Thyroid. 25: 1224-34, 2015.
3. Functional screen for secreted proteins by monoclonal antibody library and identification of Mac-2 Binding protein (Mac-2BP) as a potential therapeutic target and biomarker for lung cancer. Sun, L. et al. Molecular & cellular proteomics : MCP. 12: 395-406, 2013.
4. The expressions and clinical significances of tissue and serum galectin-3 in pancreatic carcinoma. Xie, L. et al. Journal of cancer research and clinical oncology. 138: 1035-43, 2012.
5. In vivo tumor cell adhesion in the pulmonary microvasculature is exclusively mediated by tumor cell--endothelial cell interaction. Gassmann, P. et al. BMC Cancer. 10, 2010.