

Anti-Galectin-3 (Gal-3) Antibody



Product Details

Available Variants	100 µg (SKU:M-1574-100)
Conjugate	Unconjugated
Isotype	IgG1
Clone	5C21
Host Species	Mouse
Format	Affinity-purified
Physical State	Lyophilized
Buffer	Lyophilized from PBS buffer pH 7.2-7.6 with 0.1% trehalose, and sodium azide
Production Notes	Protein G purified
Applications	ICC, WB
Dilution Ranges	WB: 1:2000 ICC: 1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Full length recombinant Galectin-3 expressed in and purified from E. coli.
Specificity	Human; mouse; rat; predicted to react with other species due to sequence homology;.
Storage	Spin vial briefly before opening. Reconstitute with 100 µL sterile-filtered, ultrapure water to achieve a 1 mg/mL concentration. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	<u>P17931</u>
Country of Origin	United States

Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

Product Images

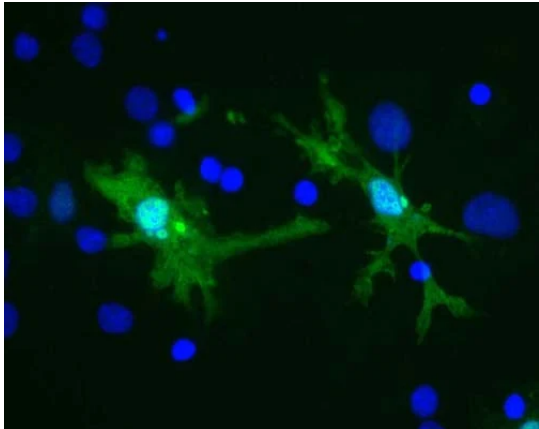
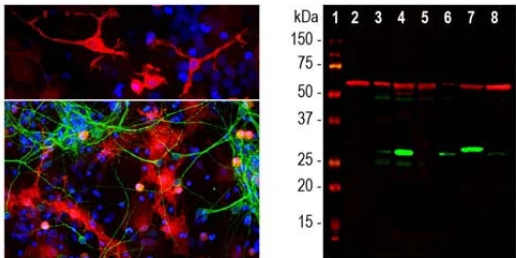


Image shows rat brain neural cultures stained with Mouse Monoclonal Antibody to Galectin-3 M-1574-100 (green) and DNA (blue). Staining can be seen in several types of glia and lymphocytic cells, including these cells which have the morphology of microglia. Surrounding cells reveal no Galectin-3 staining.



Left: Analysis of galectin-3 expression in cortical neuron-glia cell culture from E20 rat by **Immunocytochemistry**. Cells were stained with mouse antibody to galectin-3 (red, 1:1,000), and co-stained with chicken antibody to MAP2 (C-1382-50, green, 1:10,000). Blue: Hoechst nuclear stain. The galectin-3 antibody produces strong staining of microglia (top panel), other glial cells (bottom panel) and lymphocytic cells (small round cells), while MAP2-antibody labels dendrites and perikarya of mature neurons. **Right: Western blot** analysis of tissue and cell lysates using mouse antibody to galectin-3 (green, 1:2,000): [1] protein standard, [2] mouse brain lysate; [3] - [7] rat tissue lysates: [3] brain, [4] liver, [5] heart, [6] kidney, [7] lung, and [8] HEK293 cell lysate. The band at 30 kDa mark corresponds to the galectin-3 protein. The same blot was simultaneously probed with an antibody to HSP60 (red, lanes 2-8).

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