

Human Galectin-3 Antibody

Monoclonal Mouse IgG_{2B} Clone # 194804 Catalog Number: MAB1154

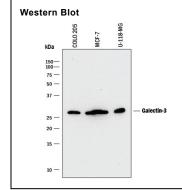
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Galectin-3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, this antibody shows 100% cross-reactivity with recombinant mouse Galectin-3 and no cross-reactivity with rhGalectin-1, -2 -4, -7, or -8.
Source	Monoclonal Mouse IgG _{2B} Clone # 194804
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human Galectin-3 Ala2-Ile250 Accession # P17931
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.2 μg/mL	See Below

DATA



Detection of Human Galectin-3 by Western Blot, Western blot shows lysates of COLO 205 human colorectal adenocarcinoma cell line, MCF-7 human breast cancer cell line, and U-118-MG human glioblastoma/astrocytoma cell line. PVDF membrane was probed with 0.2 µg/mL of Mouse Anti-Human Galectin-3 Monoclonal Antibody (Catalog # MAB1154) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Galectin-3 at approximately 28 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

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Reconstitution	Reconstitute at 0.5 mg/ml, in sterile PBS	٠

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Galectin-3, also known as Mac-2, L29, CBP35 and εBP, is a member of a large family of carbohydrate-binding proteins with specificity for N-acetyl-lactosamine-containing glycoproteins. At least 14 mammalian galectins, which share structural similarities in their carbohydrate recognition domains (CRD), have been identified to date. Galectin-3 is expressed in tumor cells, macrophages, activated T cells, osteoclasts, epithelial cells and fibroblasts.

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