

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Galectin-3 in direct ELISAs. In direct ELISAs, 100% cross-reactivity with recombinant mouse Galectin-3 is observed and no cross-reactivity with recombinant human (rh) Galectin-8 or rhGalectin-9 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 194801
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -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.

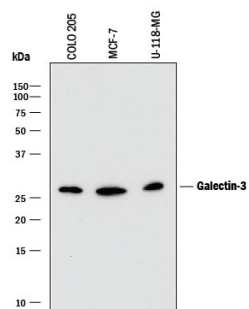
APPLICATIONS

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
Intracellular Staining by Flow Cytometry	2.5 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

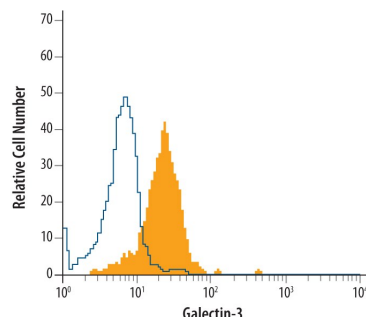
DATA

Western Blot



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 # MAB11542) 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.

Intracellular Staining by Flow Cytometry



Detection of Galectin-3 in Human Blood Monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Mouse Anti-Human Galectin-3 Monoclonal Antibody (Catalog # MAB11542, filled histogram) or isotype control antibody (Catalog # MAB004, open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0102B). To facilitate intracellular staining, cells were fixed with paraformaldehyde and permeabilized with saponin.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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. <ul style="list-style-type: none"> 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.