Human Galectin-9 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF2045

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Galectin-9 in direct ELISAs and Western blots. In Western blots, approximately 10% cross-reactivity with recombinant human (rh) Galectin-3 and rhGalectin-4 is observed and less than 2% cross-reactivity with rhGalectin-1, rhGalectin-2, rhGalectin-7, and rhGalectin-8 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Galectin-9
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 as a 0.2 µm filtered solution in PBS.

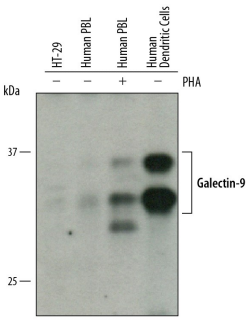
APPLICATIONS

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	1 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	Immersion fixed human peripheral blood mononuclear cells

DATA

Western Blot



Detection of Human Galectin-9 by Western Blot.
Western blot shows conditioned media from HT-29 human colon adenocarcinoma cell line, human peripheral blood lymphocytes (PBL), and human dendritic cells untreated (-) or treated (+) with 10 µg/mL PHA for 6 days. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human Galectin-9 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2045) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). Specific bands were detected for Galectin-9 at approximately 36 and 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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-9 (also known as Ecalectin and UAT) is a 40 kDa β-galactosidase binding lectin that belongs to a tandem repeat group of Galectins. Activated cells such as T cells, PMNs, astrocytes, fibroblasts and endothelial cells can express Galectin-9, but its release requires select MMPs. Human to mouse, there is 69% aa sequence identity for Galectin-9.

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