

Purified anti-Galectin-9 Antibody

Catalog# / Size	650701 / 25 µg 650702 / 100 µg
Clone	9S2-1
Regulatory Status	RUO
Other Names	Lgals9, Gal-9, Ecalectin, Tumor antigen HOM-HD-21, Ecalectin
Isotype	Mouse IgG1, κ
Description	Galectin-9 is a mammalian lectin with a molecular weight around 40 kD. It is a member of the β-galactoside-binding family. With two conserved carbohydrate recognition domains (CRDs), galectin-9 binds small β-galactosides as well as complex glycoconjugates. HAVCR2/TIM3 has been reported as one of its ligands. Galectin-9 may be retained intracellularly or transported to the cell surface where it can be cleaved to generate a soluble form. Galectin-9 is expressed by lymphocytes, dendritic cells, granulocytes, eosinophils, astrocytes, endothelial cells, fibroblasts, and thymus epithelial cells. It can be induced by cytokines in various cell types and is involved in cell aggregation, adhesion, chemotaxis, and apoptosis; galectin-9 induces regulatory T cells and suppresses Th1 and Th17 responses.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Human Galectin-9 (S-type)
Formulation	This antibody is provided in phosphate-buffered solution, pH 7.2, 0.09% NaN ₃ .
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/ml
Storage & Handling	Upon receipt, store undiluted between 2°C and 8°C.
Application	WB - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by Western blotting . Western blotting, suggested working dilution(s): Use 1 µg per ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	Does not cross react with mouse.
Application References	1. Pielage JF, <i>et al.</i> 2007. <i>Int. J. Biochem. Cell. Biol.</i> 39:1886. (WB)
(PubMed link indicates BioLegend citation)	
RRID	AB_10900999 (BioLegend Cat. No. 650701) AB_10897952 (BioLegend Cat. No. 650702)

Antigen Details

Structure	355 amino acids; 40 kD
Distribution	Lymphocytes, dendritic cells, neutrophils, eosinophils, astrocytes, endothelial cells, fibroblasts, thymus stromal/epithelial cells.
Function	Cell aggregation, adhesion, chemotaxis, apoptosis, suppression of Th1 and Th17 responses,

and induction of regulatory T cells.

Ligand/Receptor	HAVCR2/TIM3
Cell Type	Lymphocytes, Dendritic cells, Neutrophils, Eosinophils, Astrocytes, Endothelial cells, Fibroblasts, Epithelial cells
Biology Area	Cell Adhesion, Cell Biology, Immunology
Antigen References	1. Seki M, <i>et al.</i> 2008. <i>Clin. Immunol.</i> 127:78. 2. Tsubo IY, <i>et al.</i> 2007. <i>Clin. Immunol.</i> 124:221. 3. Zhu C, <i>et al.</i> 2005. <i>Nat. Immunol.</i> 6:1245. 4. Dunphy JL, <i>et al.</i> 2002. <i>J. Biol. Chem.</i> 277:14916.
Gene ID	3965

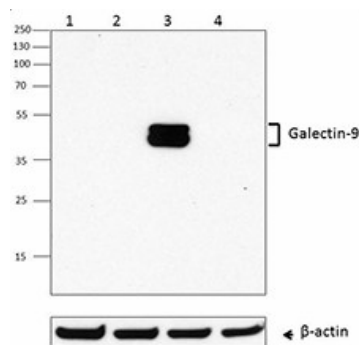
Related Protocols

[Western Blotting Protocol](#)

Other Formats

Purified anti-Galectin-9

Product Data



Western blot analysis of mouse thymus (lane 1), MEF (lane 2), Jurkat (lane 3), and Raji (lane 4) cells using anti-Galectin-9 antibody (Clone 9S2-1). β -actin (poly6221) was used as loading control.

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