



Galectin-9 Monoclonal Antibody

Catalog No	YP-mAb-00408
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	LGALS9
Immunogen	The antiserum was produced against synthesized peptide derived from human LEG9. AA range:51-100
Specificity	Galectin-9 Monoclonal Antibody detects endogenous levels of Galectin-9 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Galectin 9;LGALS9;Ecalectin;Gal 9;Gal-9;Galectin-9;Tumor antigen HOM-HD-21
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Cytoplasm . Nucleus . Secreted . May also be secreted by a non-classical secretory pathway (By similarity). Secreted by mesenchymal stromal cells upon IFNG stimulation (PubMed:23817958). .; [Isoform 2]: Secreted .; [Isoform 3]: Secreted .
Tissue Specificity	Peripheral blood leukocytes and lymphatic tissues. Expressed in lung, liver, breast and kidney with higher levels in tumor endothelial cells than normal endothelium (at protein level) (PubMed:24333696). Expressed in trophoblast cells in decidua and placenta in pregnancy (at protein level) (PubMed:23242525, PubMed:25578313). Isoform 2 is the most abundant isoform expressed in endothelial cells (PubMed:24333696). Upon endothelial cell activation isoform 2 expression decreases while expression of isoform 3 and isoform 5 increases (PubMed:24333696). Isoform 4 decreases in pathological pregnancy (PubMed:23242525).



Function

alternative products:Additional isoforms seem to exist,domain:Contains two homologous but distinct carbohydrate-binding domains.,function:Binds galactosides. Has high affinity for the Forssman pentasaccharide. May play a role in thymocyte-epithelial interactions relevant to the biology of the thymus. Inhibits cell proliferation. The isoform Short acts as an eosinophil chemoattractant. Is a ligand for HAVCR2/TIM3. Induces T-helper type 1 lymphocyte (Th1) death.,online information:Galectin-9,similarity:Contains 2 galectin domains.,subcellular location:May also be secreted by a non-classical secretory pathway.,subunit:Monomer.,tissue specificity:Peripheral blood leukocytes and lymphatic tissues. Overexpressed in Hodgkin's disease tissue.,

Background

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008],

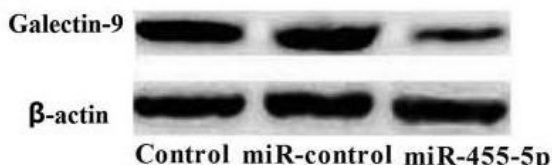
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Galectin-9 Monoclonal Antibody