





# Galectin-9 Monoclonal Antibody

Catalog No	YP-mAb-00408
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	LGALS9
Protein Name	Galectin-9
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	LGALS9; Galectin-9; Gal-9; Ecalectin; Tumor antigen HOM-HD-21
Observed Band	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



## UpingBio technology Co.,Ltd



(e) Website: www.upingBio.com

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],

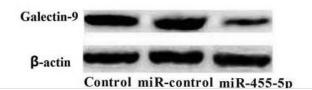
#### matters needing attention

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