Revision 3

Store at -20C

#13888

# Galectin-1/LGALS1 (D608T) Rabbit mAb (IHC Formulated)


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**For Research Use Only. Not for Use in Diagnostic Procedures.**

| Applications: | Reactivity: | Sensitivity: | Source/Isotype: | UniProt ID: | Entrez-Gene Id: |
|---|---|---|---|---|---|
| IHC-P | H M R | Endogenous | Rabbit IgG | #P09382 | 3956 |

## Product Usage Information

| Application | Dilution |
|---|---|
| Immunohistochemistry (Paraffin) | 1:250 |

## Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.

## Specificity/Sensitivity

Galectin-1/LGALS1 (D608T) Rabbit mAb (IHC Formulated) recognizes endogenous levels of total galectin-1/LGALS1 protein.

## Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human galectin-1/LGALS1 protein.

## Background

Galectins are a family of β-galactose binding proteins that are characterized by their affinity for poly-N-acetyllactosamine-enriched glycoconjugates and their carbohydrate-binding site (1,2). Members of the galectin family have been implicated in a variety of biological functions including cell adhesion (3), growth regulation (4), cytokine production (5), T cell apoptosis (6), and immune responses (7). Galectin-1/LGALS1 has been shown to be expressed in a wide range of tissues and cell types. The level and pattern of expression of galectin-1 have been shown to change during development (8). In addition to a role in developmental processes, galectin-1 has been shown to be involved in central immune tolerance and may function in tumorigenesis by modulating the immune response to the tumor (9,10). Research studies have shown that galectin-1 expression is increased in several human cancers, suggesting a correlation with metastatic potential (10).

## Background References


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3. Offner, H. et al. (1990) *J Neuroimmunol* 28, 177-84.
4. Wells, V. and Mallucci, L. (1991) *Cell* 64, 91-7.
5. Filer, A. et al. (2009) *Arthritis Rheum* 60, 1604-14.
6. Perillo, N.L. et al. (1995) *Nature* 378, 736-9.
7. Cooper, D.N. et al. (1991) *J Cell Biol* 115, 1437-48.
8. Puche, A.C. et al. (1996) *Dev Biol* 179, 274-87.
9. van den Brûle, F. et al. (2003) *Lab Invest* 83, 377-86.
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## Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

## Applications Key

**IHC-P:** Immunohistochemistry (Paraffin)

## Cross-Reactivity Key

**H:** Human **M:** Mouse **R:** Rat

## Trademarks and Patents



## Limited Uses

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