

Galectin-9 (LGALS9) (Marker of T-Cell Exhaustion) Antibody

Mouse Monoclonal Antibody [Clone LGALS9/7689]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 3965-MSM5-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3965-MSM5-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3965-MSM5-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

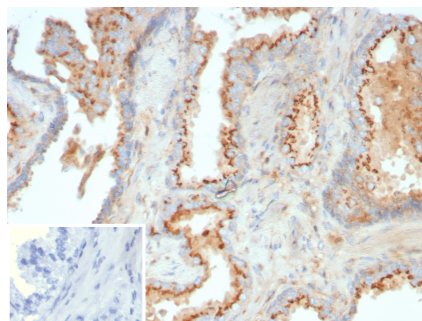
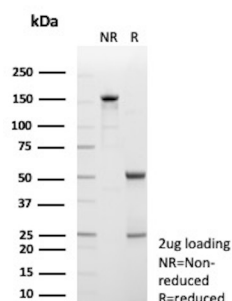
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

Product Details

| | |
|------------------------|---|
| Clone | LGALS9/7689 |
| Gene Name | LGALS9 |
| Immunogen | Recombinant fragment (around aa200-355) of human LGALS9 protein (exact sequence is proprietary) |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG2 / Kappa |
| Mol. Weight of Antigen | 36kDa |
| Cellular Localization | Cytoplasm |
| Species Reactivity | Human |
| Positive Control | Human lung, liver, breast or kidney. |

**Optimal dilution for a specific application should be determined.*

Product Images for Galectin-9 (LGALS9) (Marker of T-Cell Exhaustion) Antibody



SDS-PAGE Analysis of Purified Galectin-9 Mouse Monoclonal Antibody (LGALS9/7689). Confirmation of Purity and Integrity of Antibody.

Formalin-fixed, paraffin-embedded human prostate stained with Galectin-9 Mouse Monoclonal Antibody (LGALS9/7689). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Galectins are a family of soluble β -galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and play a role in tumor progression, pre-mRNA splicing and apoptosis. One member of this family, Galectin-9, also known as Ecalectin, Gal-9, hUAT2, HOM-HD-21 or LGALS9, maps to human chromosome 17 and encodes a 36 kDa protein. Galectin-9 is an integral membrane protein that exists as two isoforms, a long form and a short form, which differ by an internal stretch of 32 amino acids. Galectin-9 is an eosinophile chemoattractant produced by activated T lymphocytes that is expressed in organs of the gastrointestinal tract, aorta, liver, kidney, liver, pancreatic islets, lung, tonsil and some colorectal carcinoma, and in the cell lines HUVEC, U-937, HL60, HeLa and Jurkat. Introduction of IL-1 β enhances Galectin-9 expression. Increased expression of Galectin-9 induces apoptosis in thymocytes and CD8 $^{+}$ cells. Galectin-9 is involved in immuno/inflammation processes in potential-sensitive uric acid translocation and contributes to inflammatory reactions in the central nervous system (CNS).

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Apoptosis, Cancer, Immuno Oncology