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

Mouse Monoclonal Antibody [Clone LGALS9/4872]

Catalog No	Format	Size
3965-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
3965-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3965-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug

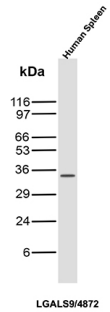
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	LGALS9/4872
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. Spleen.

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

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



Western blot analysis of spleen tissue lysates from human, guinea pig and hamster using LGALS9 Mouse Monoclonal Antibody (LGALS9/4872).

Specificity & Comments

Galectins are a family of soluble ?-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-1beta 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).

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

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.