Galectin-3 (LGALS3) (Thyroid Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone LGALS3/6583]

Catalog No	Format	Size
3958-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3958-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3958-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

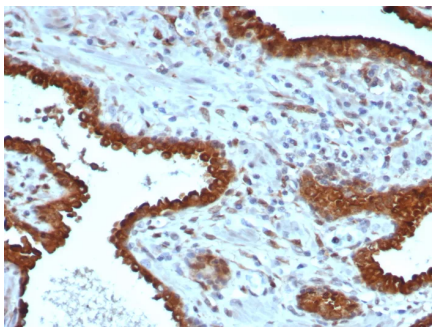
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

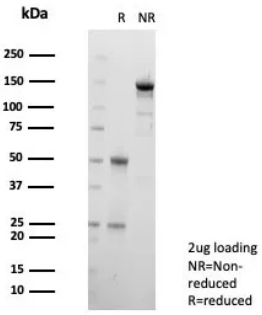
Clone	LGALS3/6583
Gene Name	LGALS3
Immunogen	A synthetic peptide from the C-terminus of human LGALS3 protein (aa 150-200) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	30kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Human papillary thyroid carcinoma tissue, MCF-7

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

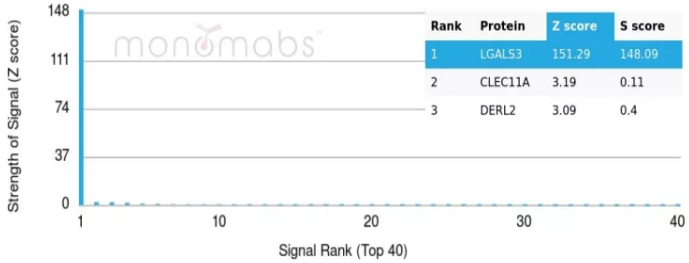
Product Images for Galectin-3 (LGALS3) (Thyroid Cell Marker) Antibody



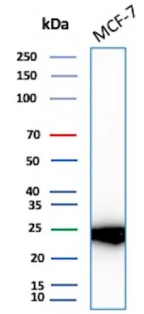
Formalin-fixed, paraffin-embedded human prostate stained with Galectin-3 Mouse Monoclonal Antibody (LGALS3/6583). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



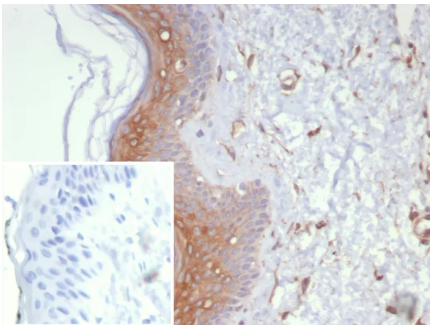
SDS-PAGE Analysis of Purified Galectin-3 Mouse Monoclonal Antibody (LGALS3/6583). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Galectin-3-Monospecific Mouse Monoclonal Antibody (LGALS3/6583). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of MCF-7 lysate using Galectin-3 Mouse Monoclonal Antibody (LGALS3/6583)



Formalin-fixed, paraffin-embedded human skin stained with Galectin-3 Mouse Monoclonal Antibody (LGALS3/6583). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Galectin-3 is a member of the beta-galactosidase-binding lectin family. It is associated with cell growth, adhesion, inflammation, mRNA processing, and apoptosis. Aberrant expression of Galectin-3 is related to malignant transformation and metastasis in carcinomas of the breast, colon and thyroid. ?Galectin-3 reactivity can be seen in the nucleus of neutrophils, vascular endothelium, carcinomas of the colon, breast, and thyroid. Galectin-3 may be useful in the differentiation ?of benign and malignant thyroid neoplasms. ?Galectin-3 may also be useful in the identification of certain liver disorders.

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

Cardiovascular, Immunology, Dendritic Cell Marker, Nuclear Marker, Transcription Factors

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.