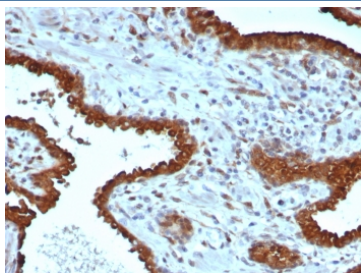


Galectin-3 Antibody / LGALS3 [clone LGALS3/6583] (V4349)

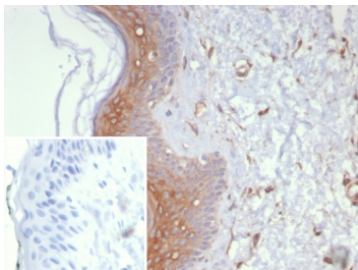
Catalog No.	Formulation	Size
V4349-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4349-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4349SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

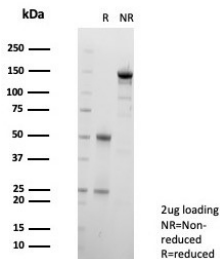
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	LGALS3/6583
Purity	Protein A/G affinity
UniProt	P17931
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This Galectin-3 antibody is available for research use only.



IHC staining of FFPE human prostate tissue with Galectin-3 antibody (clone LGALS3/6583). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



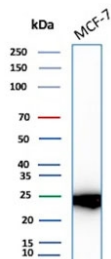
IHC staining of FFPE human skin tissue with Galectin-3 antibody (clone LGALS3/6583). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



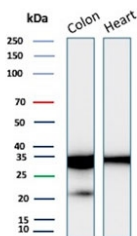
SDS-PAGE analysis of purified, BSA-free Galectin-3 antibody (clone LGALS3/6583) as confirmation of integrity and purity.



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using Galectin-3 antibody (clone LGALS3/6583). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) 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 HuProt(TM) 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 testing of human MCF7 cell lysate with Galectin 3 antibody (clone LGALS3/6583). Predicted molecular weight ~26 kDa.



Western blot testing of human colon and heart tissue lysate with Galectin 3 antibody (clone LGALS3/6583). Predicted molecular weight ~26 kDa.

Description

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.

Application Notes

Optimal dilution of the Galectin-3 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 150-200 from the human protein was used as the immunogen for the Galectin-3 antibody.

Storage

Aliquot the Galectin-3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.