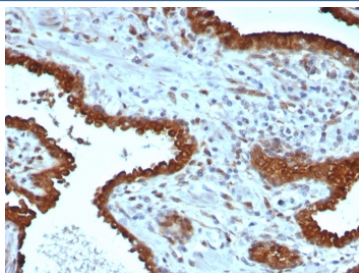


## Galectin-3 Antibody / LGALS3 [clone LGALS3/6583] (V4349)

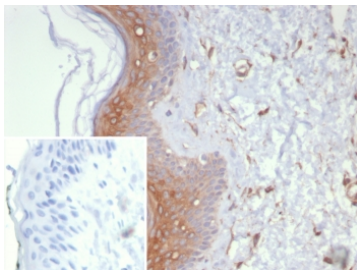
Catalog No.	Formulation	Size
V4349-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4349-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4349SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

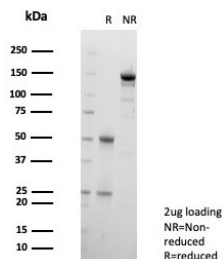
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2, kappa
<b>Clone Name</b>	LGALS3/6583
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P17931
<b>Localization</b>	Cytoplasm
<b>Applications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



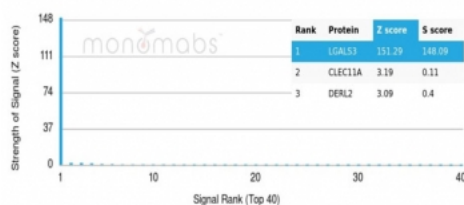
IHC staining of FFPE human prostate tissue with Galectin-3 antibody (clone LGALS3/6583). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



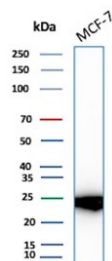
IHC staining of FFPE human skin tissue with Galectin-3 antibody (clone LGALS3/6583). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



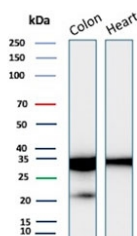
SDS-PAGE analysis of purified, BSA-free Galectin-3 antibody (clone LGALS3/6583) as confirmation of integrity and purity.



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&#39;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&#39;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.