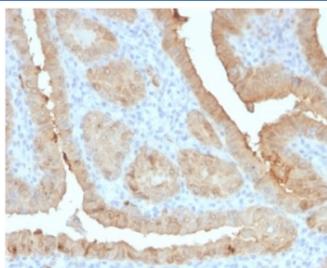


LGALS3 Antibody / Galectin 3 [clone LGALS3/4792] (V9668)

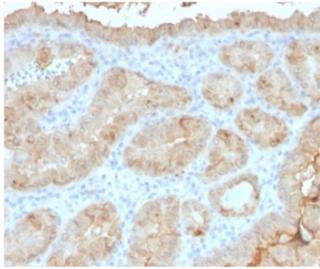
Catalog No.	Formulation	Size
V9668-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9668-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9668SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

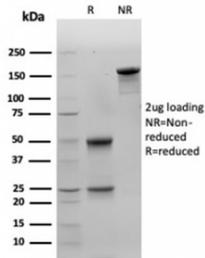
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	LGALS3/4792
Purity	Protein A/G affinity
UniProt	P17931
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This LGALS3 antibody is available for research use only.



IHC staining of FFPE human thyroid carcinoma with LGALS3 antibody (clone LGALS3/4792). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

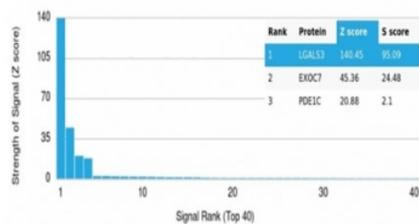


IHC staining of FFPE human thyroid carcinoma tissue with LGALS3 antibody (clone LGALS3/4792). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free LGALS3 antibody (clone LGALS3/4792) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using LGALS3 antibody (clone LGALS3/4792). These results demonstrate the foremost specificity of the LGALS3/4792 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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 LGALS3 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 LGALS3 antibody.

Storage

Aliquot the LGALS3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

