

# Product Datasheet

## Galectin-1 Antibody (GAL1/1831) **NBP2-53212-100ug**

Unit Size: 100 ug

Store at 4C.

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**NBP2-53212-100ug**

Galectin-1 Antibody (GAL1/1831)

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	GAL1/1831
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Lambda
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA
<b>Target Molecular Weight</b>	14 kDa

**Product Description**

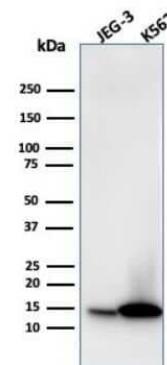
<b>Description</b>	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54457)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
<b>Host</b>	Mouse
<b>Gene ID</b>	3956
<b>Gene Symbol</b>	LGALS1
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant fragment (around aa12-108) of human Galectin-1 protein (exact sequence is proprietary) (Uniprot: P09382)

**Product Application Details**

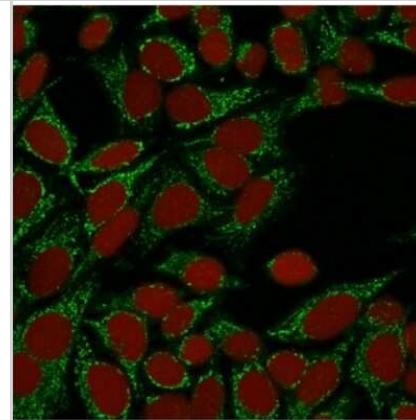
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
<b>Recommended Dilutions</b>	Western Blot 1-2 ug/ml, ELISA 2-4 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
<b>Application Notes</b>	ELISA: Use Ab at 2-4ug/ml for coating. Order Ab without BSA. Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

## Images

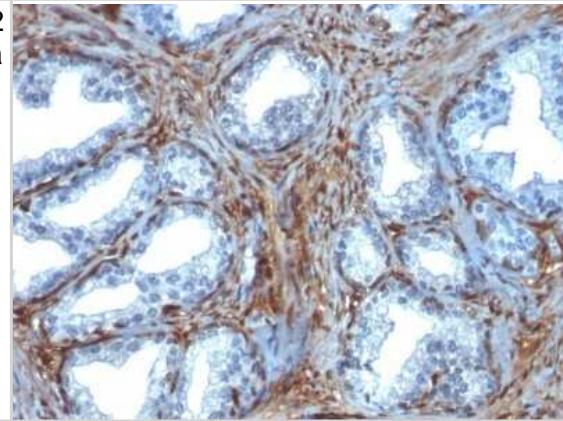
Western Blot: Galectin-1 Antibody (GAL1/1831) [NBP2-53212] - Western Blot Analysis of JEG-3 and K562 cell lysate using Galectin-1 antibody (GAL1/1831).



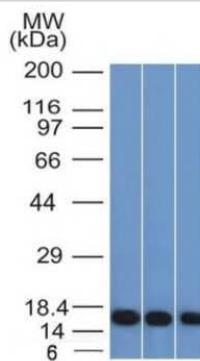
Immunocytochemistry/Immunofluorescence: Galectin-1 Antibody (GAL1/1831) [NBP2-53212] - Confocal immunofluorescence image of HeLa cells using Galectin-1 Antibody (GAL1/1831). Green (CF488) and Red Dot is used to label the nuclei Red.



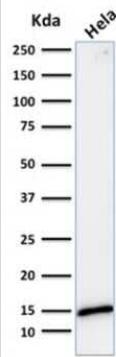
Immunohistochemistry-Paraffin: Galectin-1 Antibody (GAL1/1831) [NBP2-53212] - Formalin-fixed, paraffin-embedded Human Prostate Carcinoma stained with Galectin-1 Monoclonal Antibody (GAL1/1831).



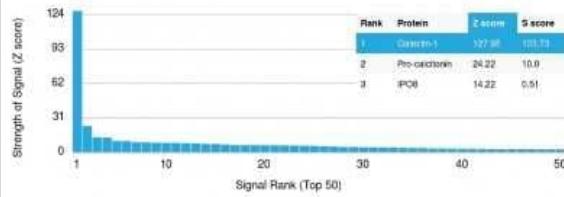
Western Blot: Galectin-1 Antibody (GAL1/1831) [NBP2-53212] - Western Blot of HeLa, A431, K562 and 293 Cell Lysates using Galectin-1 Monoclonal Antibody (GAL1/1831).



Western Blot: Galectin-1 Antibody (GAL1/1831) [NBP2-53212] - Western Blot Analysis of human HeLa cell lysate using Galectin-1 Antibody (GAL1/1831).



Protein Array: Galectin-1 Antibody (GAL1/1831) [NBP2-53212] - Analysis of Protein Array containing more than 19,000 full-length human proteins using Galectin-1 Antibody (GAL1/1831). 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 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.



## Publications

Imbery JF, Heinzelbecker J, Jebsen JK Et al. T-helper cell regulation of CD45 phosphatase activity by galectin-1 and CD43 governs chronic lymphocytic leukaemia proliferation Br J Haematol 2022-06-03 [PMID: 35655388] (FLOW, Human)

### Details:

Citation using the Alexa Fluor 647 version of this antibody.

P Szodoray, TK Andersen, J Heinzelbec, JF Imbery, PC Huszthy, SM Stanford, B Bogen, OB Landsverk, N Bottini, A Tveita, LA Munthe, B Nakken Integration of T helper and BCR signals governs enhanced plasma cell differentiation of memory B cells by regulation of CD45 phosphatase activity Cell Reports, 2021-08-10;36(6):109525. 2021-08-10 [PMID: 34380042] (FLOW, Human)



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## Products Related to NBP2-53212-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96982	Mouse IgG1 Lambda Isotype Control (MG1L)
NBP2-34878-10ug	Recombinant Human Galectin-1 Protein

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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