

Rabbit anti-Human Galectin 3/LGALS3 Monoclonal Antibody | anti-LGALS3 antibody

Recombinant Anti-Galectin 3/LGALS3 Antibody, Rabbit Monoclonal

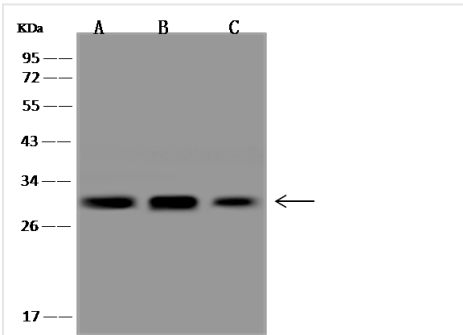
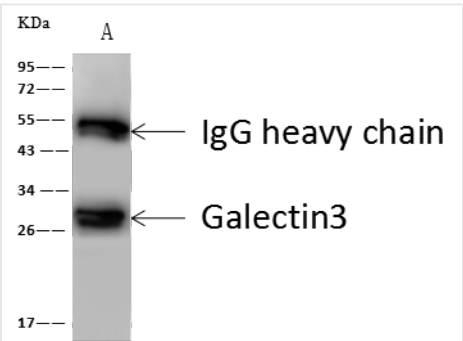
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254796	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

Galectin 3/LGALS3; Monoclonal Antibody; Recombinant Anti-Galectin 3/LGALS3 Antibody; Rabbit Monoclonal; Galectin-3/LGALS3 Antibody; Rabbit MAb; lectin; galactoside-binding; soluble; 3; Anti-CBP35 Antibody; Anti-GAL3 Antibody; Anti-GALBP Antibody; Anti-GALIG Antibody; Anti-L31 Antibody; Anti-LGALS2 Antibody; Anti-MAC2 Antibody; anti-LGALS3 antibody

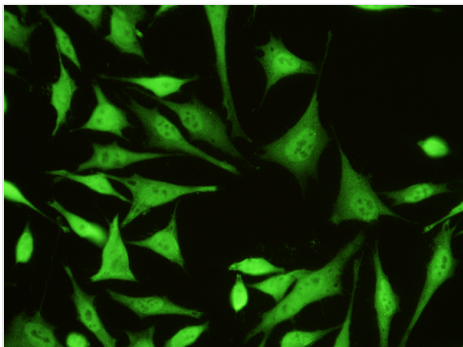
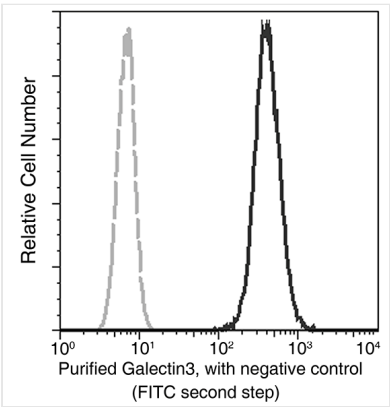
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	024
Specificity	Human Galectin-3/LGALS3
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LGALS3 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human Galectin-3/LGALS3 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Galectin-3/LGALS3 (rh Galectin-3/LGALS3).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
NKX3-1 was immunoprecipitated using: Lane A: 0.5 mg mouse pancreas Whole Cell Lysate 4 uL anti-NKX3-1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-NKX3-1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 27 kDa. Observed band size: 30 kDa.

WB (Western Blot)
Anti-Galectin3 rabbit monoclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: SW480 Whole Cell Lysate. Lane C: A431 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 26 kDa. Observed band size: 30 kDa.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human Galectin3 expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen[®]), stained with purified anti-Human Galectin3, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

IF (Immunofluorescence)
Immunofluorescence staining of Human Galectin3 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Rabbit anti-Human Galectin3 monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nuclear and cytoplasm.

ADDITIONAL INFORMATION

Related Product Information for anti-LGALS3 antibody	LGALS3 (Galectin 3) is a Protein Coding gene. This gene encodes a member of the galectin family of carbohydrate-binding proteins. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. LGALS3 is a beta-galactoside-binding lectin and plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion, and T-cell regulation. LGALS3 has an important role in tumor progression through inhibition of apoptosis. LGALS3 expression is associated with neoplastic transformation and with differentiation of monocytes to macrophages. Elevated expression of LGALS3 has been demonstrated in the synovium of rheumatoid arthritis (RA). Diseases associated with LGALS3 include Follicular Adenoma and Papillary Carcinoma.
References	Dumic J, et al. (2006) Galectin-3: an open-ended story. Biochim Biophys Acta. 1760(4): 616-35. Sharma UC, et al. (2004) Galectin-3 marks activated macrophages in failure-prone hypertrophied hearts and contributes to cardiac dysfunction. Circulation. 110(19): 3121-8. Yan YP, et al. (2009) Galectin-3 mediates post-ischemic tissue remodeling. Brain Res. 1288: 116-24.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430223
NCBI GeneID	3958
NCBI Accession #	NP_002297.2

NCBI GenBank Nucleotide #	NM_002306.3
UniProt Accession #	P17931; Q16005; Q6IBA7; Q96J47; B2RC38
Molecular Weight	26,152 Da
NCBI Official Full Name	galectin-3 isoform 1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 3
NCBI Official Symbol	LGALS3
NCBI Official Synonym Symbols	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
NCBI Protein Information	galectin-3; lectin L-29; 35 kDa lectin; MAC-2 antigen; IgE-binding protein; laminin-binding protein; galactose-specific lectin 3; carbohydrate-binding protein 35
UniProt Protein Name	Galectin-3
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
UniProt Entry Name	LEG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/galectin-3-lgals3-antibody-clone-024-immunoprecipitation-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/254796>