

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

Anti-Galectin 3/LGALS3 Antibody, Mouse Monoclonal

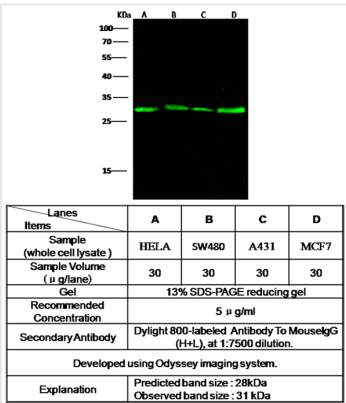
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254795	Mouse	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

Galectin 3/LGALS3; Monoclonal Antibody; Anti-Galectin 3/LGALS3 Antibody; Mouse Monoclonal; Galectin-3/LGALS3 Antibody; Mouse 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

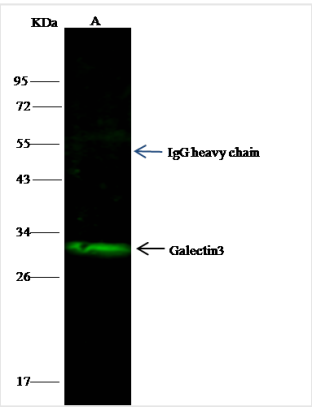
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	01
Specificity	Human Galectin-3/LGALS3. No cross-reactivity in ELISA with Human Galectin1, Human Galectin8 E Coli cell lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LGALS3 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Galectin-3/LGALS3 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Galectin-3/LGALS3 (rh Galectin-3/LGALS3). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
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.



WB (Western Blot)

Anti-Galectin3 mouse monoclonal antibody at 1:500 dilutionLane A: HeLa Whole Cell LysateLane B: SW480 Whole Cell LysateLane C: A431 Whole Cell LysateLane D: MCF7 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:28 kDaObserved band size:31 kDa



IP (Immunoprecipitation)

Galectin3 was immunoprecipitated using:Lane A:0.5 mg MCF-7 Whole Cell Lysate4 uL anti-Galectin3 mouse monoclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-Galectin3 mouse monoclonal antibody,at 1:100 dilutionSecondary antibody:Dylight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilutionDeveloped using the odyssey technique.Performed under reducing conditions.Predicted band size: 30 kDaObserved band size: 30 kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/galectin-3-lgals3-antibody-clone-01-immunoprecipitation-western-blot-elisa/254795>