

**LGALS1 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a full length recombinant LGALS1.****Catalog # AT2700a****Specification**

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**LGALS1 Antibody (monoclonal) (M01) - Product Information**

Application	<b>IF, IP, WB, E</b>
Primary Accession	<a href="#">P09382</a>
Other Accession	<a href="#">BC001693</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2b Lambda</b>
Calculated MW	<b>14716</b>

**LGALS1 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 3956**Other Names**

Galectin-1, Gal-1, 14 kDa laminin-binding protein, HLBP14, 14 kDa lectin, Beta-galactoside-binding lectin L-14-I, Galaptin, HBL, HPL, Lactose-binding lectin 1, Lectin galactoside-binding soluble 1, Putative MAPK-activating protein PM12, S-Lac lectin 1, LGALS1

**Target/Specificity**

LGALS1 (AAH01693, 1 a.a. ~ 135 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

LGALS1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

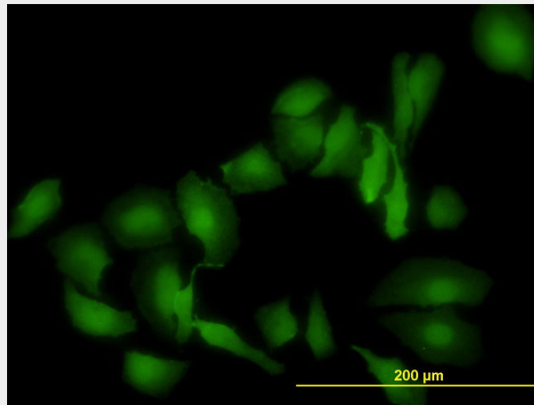
**LGALS1 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

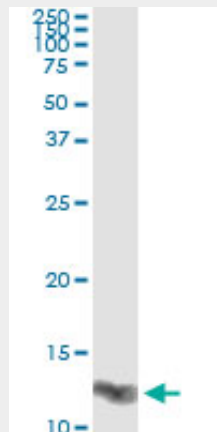
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

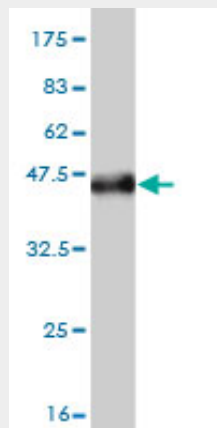
### LGALS1 Antibody (monoclonal) (M01) - Images



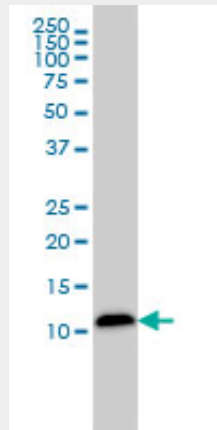
Immunofluorescence of monoclonal antibody to LGALS1 on HeLa cell. [antibody concentration 10 ug/ml]



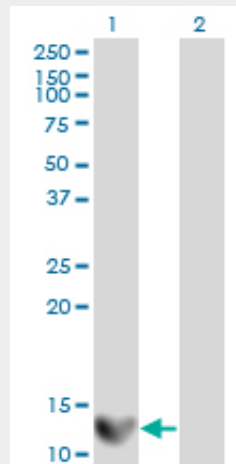
Immunoprecipitation of LGALS1 transfected lysate using anti-LGALS1 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with LGALS1 MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.59 KDa) .

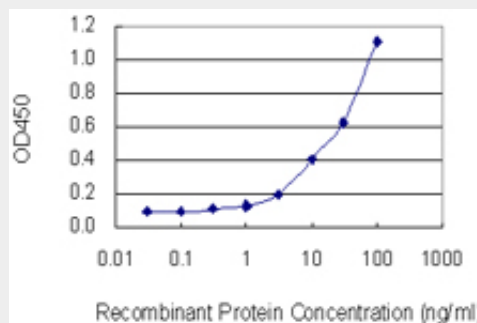


LGALS1 monoclonal antibody (M01), clone 1E8-1B2 Western Blot analysis of LGALS1 expression in HepG2 ( (Cat # AT2700a )



Western Blot analysis of LGALS1 expression in transfected 293T cell line by LGALS1 monoclonal antibody (M01), clone 1E8-1B2.

Lane 1: LGALS1 transfected lysate(14.7 KDa).  
 Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged LGALS1 is 1 ng/ml as a capture antibody.

### LGALS1 Antibody (monoclonal) (M01) - Background

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell

and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation.

#### **LGALS1 Antibody (monoclonal) (M01) - References**

1. Galectin-1 and Galectin-3 Mediate Protocadherin-24-Dependent Membrane Localization of  $\beta$ -catenin in Colon Cancer Cell Line HCT116. Ose R, Ohara O, Nagase T. *Current Chemical Genomics*, 2012, 6, (Suppl 1-M3) 18-262. Quantitative and temporal proteome analysis of butyrate-treated colorectal cancer cells. Tan HT, Tan S, Lin Q, Lim TK, Hew CL, Chung MC. *Mol Cell Proteomics*. 2008 Jun;7(6):1174-85. Epub 2008 Mar 14.