

## Anti-Galectin 3 Antibody (9H353)

### Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Molecular Weight:	Theoretical: 29 kDa. Actual: 29 kDa.
Clone:	9H353
Purification:	Protein G purified

### Applications

#### Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
3. Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded Human Ovary; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
6. Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
7. Paraformaldehyde-fixed, paraffin embedded Human Fundus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Galectin 3 Monoclonal Antibody, Unconjugated (ascites of TMAB-06288) at 1: 1000 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.
9. 25 ug total protein per lane of various lysates (see on figure) probed with Galectin 3 monoclonal antibody, unconjugated (TMAB-06288) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
10. 25 ug total protein per lane of various lysates (see on figure) probed with Galectin 3

monoclonal antibody, unconjugated (TMAB-06288) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.

11. Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Galectin 3 Monoclonal Antibody, Unconjugated (TMAB-06288) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Green, BF488), DAPI (blue) was used to stain the cell nuclei.

12. Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Galectin 3 Monoclonal Antibody, Unconjugated (TMAB-06288) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Green, BF488), DAPI (blue) was used to stain the cell nuclei.

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:200-1000; IHC-Fr: 1:200-1000; IF: 1:200-1000

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: human Galectin 3 full length protein

Antigen Species: Human

Gene ID: 3958

Uniprot ID: P17931

### Research Background

This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481