

Galectin 3 (AB1543) mouse mAb

W0344

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 26 kDa (calculated)
- 33 kDa (observed)

Isotype

- IgG2b, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1543

Immunogen A synthetic peptide corresponding to the amino acid region 150 - 250 of the human Galectin 3 protein.

Specificity The antibody can specifically recognize human Galectin 3 protein. In western blotting of HeLa, A431 and MCF7 cell lysates, the antibody can label a 30 kDa band corresponding to Galectin 3, while there is no band detected in Galectin 3

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name LGALS3

Protein Name Galectin 3

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P17931	3958

Background Galectin-3 is a member of the β -galactose binding lectin family with a molecular weight of 30 kDa which is a chimeric structure consisting of a β -galactoside binding protein and a laminin. The main role of Galectin-3 on the cell surface is related to the adhesion between similar cells. It is expressed in a variety of organs and tissues, including neutrophils and vascular endothelial cells, but it is obviously absent in normal hepatocytes. Galectin-3 can downregulate the expression of some cancers and breast cancer associated proteins, and promote tumor metastasis. It can be used as a reference index for the degree of tumor deterioration.