Anti-Galectin 3 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M016266

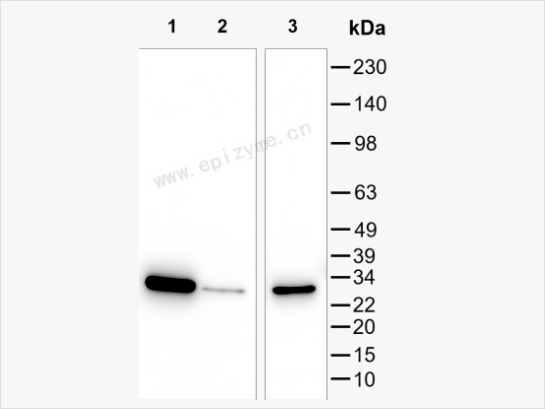
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	45L61K79
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant full length protein corresponding human Galectin 3
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Galectin 3 Mouse mAb [45L61K79] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	MAC2; LGALS3; Galectin-3; Gal-3; 35 kDa lectin; Carbohydrate-binding protein 35; Galactose-specific lectin 3; Galactoside-binding protein; IgE-binding protein; L-31; Laminin-binding protein; Lectin L-29; Mac-2 antigen; CBP 35; GALBP.
Calculated MW	Calculated MW: 26 kDa; Observed MW: 26 kDa
Uniprot ID	P17931
Gene ID	3958
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]
Cellular Location	Cytoplasm. Nucleus. Secreted. Note=Secreted by a non-classical secretory pathway and associates with the cell surface.
Tissue Location	A major expression is found in the colonic epithelium. It is also abundant in the activated macrophages. Expressed in fetal membranes.

Validation Images



Western Blot - Anti-Galectin 3 Mouse mAb [45L61K79]
All lanes: M016266 at 1:2,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: U87(Human malignant glioblastoma epithelial cell) whole cell lysates
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Lysates/proteins at 10 µg per lane.
Predicted band size: 26 kDa
Observed band size: 26 kDa
Developed using the ECL technique (Cat. No. SQ201).