

Galectin 3/LGALS3 Rabbit mAb

Catalog No.: A25538 **Recombinant**

Basic Information

Observed MW

28kDa

Calculated MW

26kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC, IP, FC

Cross-Reactivity

Human, Mouse

CloneNo number

ARC58285

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.

Recommended Dilutions

WB 1:2000 - 1:12000**IF/ICC** 1:100-1:500**IP** 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells**FC** 1:100 - 1:500

Immunogen Information

Gene ID

3958

Swiss Prot

P17931

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-250 of human Galectin 3/LGALS3 (NP_002297.2).

Synonyms

L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

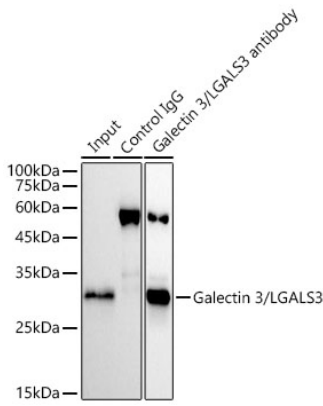
Affinity purification

Storage

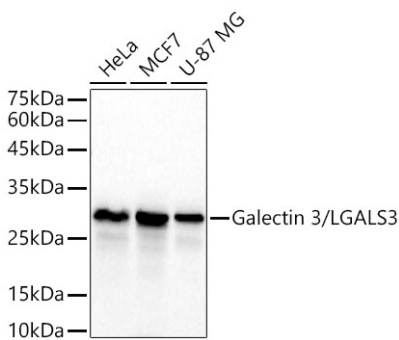
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Immunoprecipitation of Galectin 3/LGALS3 from 300 µg extracts of HeLa cells was performed using 3 µg of Galectin 3/LGALS3 Rabbit mAb (A25538). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Galectin 3/LGALS3 Rabbit mAb (A25538) at 1:10000 dilution.



Western blot analysis of various lysates using Galectin 3/LGALS3 Rabbit mAb (A25538) at 1:9000 dilution incubated overnight at 4°C.

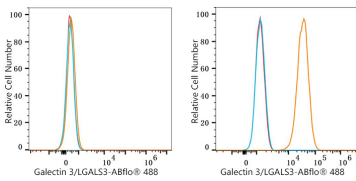
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

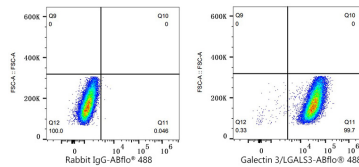
Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

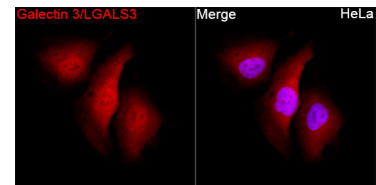
Exposure time: 10s.



Flow cytometry: 1×10^6 Jurkat cells (negative control, left) and MCF7 cells (right) were surface-stained with Galectin 3/LGALS3 Rabbit mAb (A25538, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 MCF7 cells were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or Galectin 3/LGALS3 Rabbit mAb (A25538, 2 µg/mL, right), followed by FITC conjugated goat anti-Rabbit pAb staining.



Immunofluorescence analysis of HeLa cells using Galectin 3/LGALS3 Rabbit mAb (A25538) at a dilution of 1:400 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.