A25538

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Galectin 3/LGALS3 Rabbit mAb

Catalog No.: A25538 Recombinant

Basic Information

Observed MW
28kDa

Calculated MW
26kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IF/ICC,IP,FC,ELISA

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	1:9000 - 1:54000
IF/ICC	1:200-1:800
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
FC	1:100 - 1:500
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3958

Swiss Prot
P17931

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact

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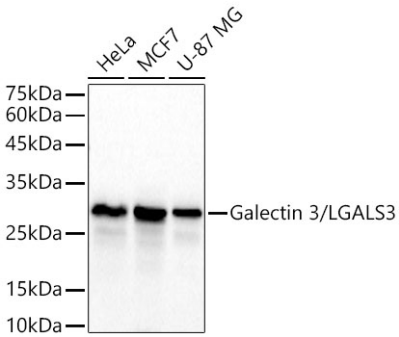
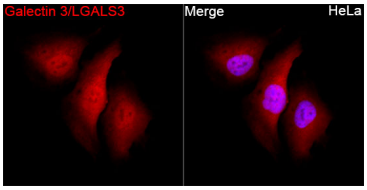
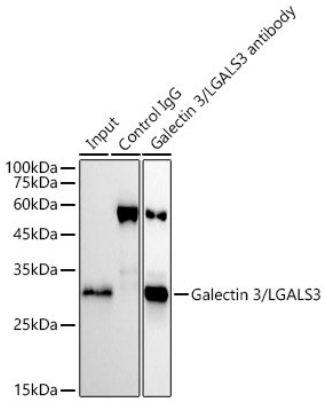
Validation Data



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-conjugated 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.

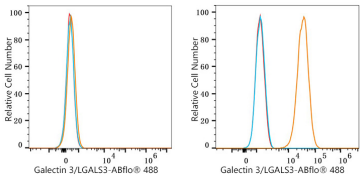


Immunofluorescence analysis of HeLa cells using Galectin 3/LGALS3 Rabbit mAb (A25538) at a dilution of 1:400 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

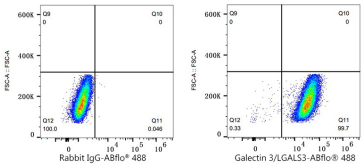


Immunoprecipitation of Galectin 3/LGALS3 from 300 µg extracts of Hela cells was performed using 3 µg of Galectin 3/LGALS3 Rabbit mAb (A25538). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents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

Validation Data



Flow cytometry: 1X10^6 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: 1X10^6 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.