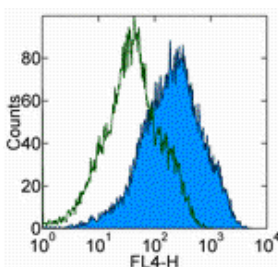


## Anti-Human/Mouse Galectin-3 Purified

Catalog Number: 14-5301

Also Known As: MAC2

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of mouse thioglycolate-induced peritoneal exudate cells (PECs) with 0.25 ug of Rat IgG2a K Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 ug of Anti-Human/Mouse Galectin-3 Purified (filled histogram) followed by Streptavidin APC (cat. 17-4317). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Human/Mouse Galectin-3 Purified

**REF** Catalog Number: 14-5301

Clone: eBioM3/38 (M3/38)


Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

**LOT** Batch Code: Refer to Vial

 Use By: Refer to Vial

 Contains sodium azide

### Description

The eBioM3/38 antibody reacts with mouse Galectin-3 (Mac-2). Galectins are a family of animal lectins which appear to exhibit a variety of biological functions. Galectin 3 (aka LGALS3, galactose-specific soluble lectin 3, Mac-2, L-29) is one of the more extensively studied members of this family and is a 30 kDa beta-galactoside-binding protein. Due to a C-terminal carbohydrate binding site, Galectin 3 is capable of binding IgE and mammalian cell surfaces only when homodimerized or homo-oligomerized. Galectin 3 is normally distributed in epithelia of many organs and various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation, cell proliferation, cell differentiation and through trans-activation by viral proteins.

This monoclonal antibody eBioM3/38 crossreacts to human Galectin-3 (LGALS3).

### Applications Reported

This eBioM3/38 (M3/38) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, immunoblotting (WB), immunohistology staining of frozen tissue sections, immunohistology staining of paraffin embedded tissue sections, and ELISA.

### Applications Tested

This eBioM3/38 (M3/38) antibody has been tested by flow cytometric analysis of mouse PECs (thioglycollated elicited peritoneal cells). This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Oliveira FL, Fraza P, Chammas R, Hsu DK, Liu FT, Borojevic R, Takiya CM, El-Cheikh MC, Kinetics of mobilization and differentiation of lymphohematopoietic cells during experimental murine schistosomiasis in galectin-3<sup>-/-</sup> mice J.J Leukoc Biol. 2007 Aug;82(2):300-10.

Joo G-H, Goedegebuure PS, Sadanaga N, Nagoshi M, von Bernstorff W, Eberlein TJ. Expression and function of galectin-3, a b-galactoside-binding protein in activated T lymphocytes J Leukoc Biol. 2001 Apr;69(4):555-64.

Ho MK, Springer TA. MAC-2, A Novel 32000 Mr Mouse Macrophage Subpopulation-Specific Antigen Defined by Monoclonal Antibodies. J Immunol. 1982 Mar;128(3):1221-8.

### Related Products

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)  
14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)  
17-4317 Streptavidin APC

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