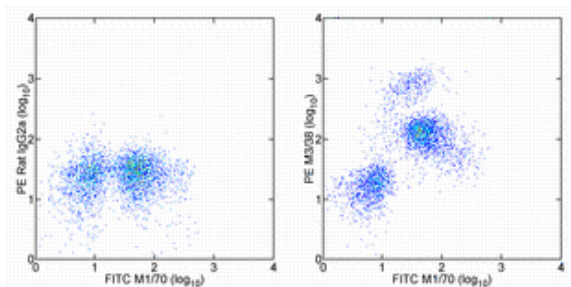


Anti-Human/Mouse Galectin-3 PE

Catalog Number: 12-5301

Also Known As: MAC2

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



Staining of C57BL/6 bone marrow cells with Anti-Mouse CD11b FITC (cat. 11-0112) and Rat IgG2a K Isotype Control PE (cat. 12-4321) (left) or 0.03 ug of Anti-Human/Mouse Galectin-3 PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human/Mouse Galectin-3 PE


REF Catalog Number: 12-5301

Clone: eBioM3/38 (M3/38)


Concentration: 0.2 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. Do not freeze. Light sensitive material.

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.

Applications Tested

This eBioM3/38 (M3/38) antibody has been tested by flow cytometric analysis of mouse thioglycolate elicited peritoneal macrophages. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg)/test 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Oliveira FL, Frazza 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^{-/-} 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

11-0112 Anti-Mouse CD11b FITC (M1/70)

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

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