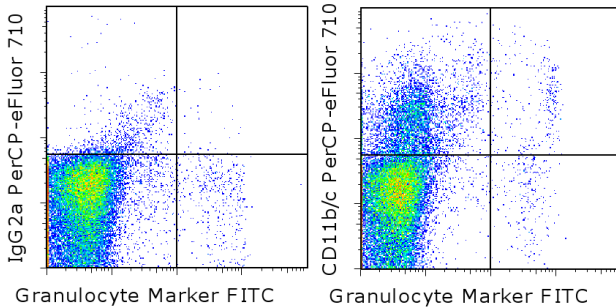


Anti-Rat CD11b/c PerCP-eFluor[®] 710

Catalog Number: 46-0110

Also known as: C3bi, Mac-1, Integrin alpha M, CR4

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



Staining of rat splenocytes with Anti-Rat Granulocyte Marker FITC (cat. 11-0570) and 0.06 ug of Mouse IgG2a K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4724) (left) or 0.06 ug of Anti-Rat CD11b/c PerCP-eFluor[®] 710 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Rat CD11b/c PerCP-eFluor[®] 710

REF **Catalog Number:** 46-0110

Clone: OX42

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG

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.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide



Description

This OX42 monoclonal antibody reacts with rat CD11b and CD11c. CD11b, also known as integrin alpha M or Mac-1, is a component of complement receptor 3 (CR3). CD11c, also known as integrin alpha X, is a component of complement receptor 4 (CR4). CD11b and CD11c are expressed on immune cells such as macrophages, monocytes, granulocytes, and dendritic cells. OX42 has also been shown to detect microglia in the brain, as well as cells of the liver and epidermis.

The OX42 antibody has been reported to inhibit complement-mediated rosette formation by granulocytes and macrophages. Moreover, studies demonstrate that OX42 can inhibit granulocyte aggregation.

Applications Reported

This OX42 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This OX42 antibody has been tested by flow cytometric analysis of rat splenocytes. This can be used at less than or equal to 0.125 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

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References

He J, Yin Y, Luster TA, Watkins L, Thorpe PE. Antiphosphatidylserine antibody combined with irradiation damages tumor blood vessels and induces tumor immunity in a rat model of glioblastoma. *Clin Cancer Res.* 2009 Nov 15;15(22):6871-80. (OX42, IHC-fr)

Turnbull EL, Yrlid U, Jenkins CD, Macpherson GG. Intestinal dendritic cell subsets: differential effects of systemic TLR4 stimulation on migratory fate and activation in vivo. *J Immunol.* 2005 Feb 1;174(3):1374-84. (OX42, IHC)

Draskovic-Pavlovic B, Van Der Laan LJ, Pejnovic N, Dijkstra CD, Colic M. Differential effects of anti-rat CD11b monoclonal antibodies on granulocyte adhesiveness. *Immunology.* 1999 Jan;96(1):83-9. (OX42, FA)

Robinson AP, White TM, Mason DW. Macrophage heterogeneity in the rat as delineated by two monoclonal antibodies MRC OX-41 and MRC OX-42, the latter recognizing complement receptor type 3. *Immunology.* 1986 Feb;57(2):239-47. (OX42, FC, IHC-fr, FA)

Related Products

11-0570 Anti-Rat Granulocyte Marker FITC (HIS48)

46-4724 Mouse IgG2a K Isotype Control PerCP-eFluor® 710

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