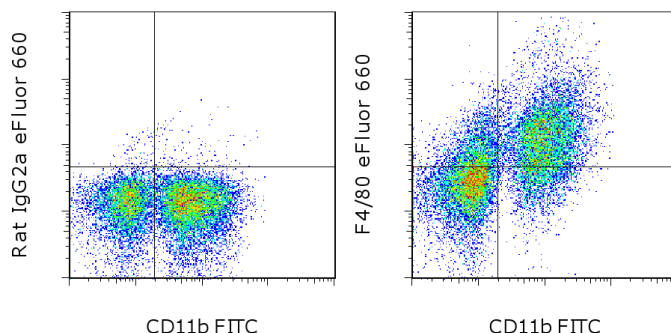


Anti-Mouse F4/80 Antigen eFluor® 660 (Alexa Fluor® 647 Replacement)

Catalog Number: 50-4801

Also known as: Pan Macrophage Marker

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 0.5 µg of Rat IgG2a K Isotype Control eFluor® 660 (cat. 50-4321) (left) or 0.5 µg of Anti-Mouse F4/80 Antigen eFluor® 660 (right). Cells in the large scatter population were used for analysis.

Product Information

Contents: Anti-Mouse F4/80 Antigen eFluor® 660 (Alexa Fluor® 647 Replacement)

Catalog Number: 50-4801

Clone: BM8

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.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

Description

The BM8 monoclonal antibody reacts with mouse F4/80 antigen, an approximately 125 kDa transmembrane protein. The F4/80 antigen is expressed by a majority of mature macrophages and is the best marker for this population of cells. However, other cell types such as Langerhans cells and liver Kupffer cells have been reported to express this antigen. Expression of F4/80 commences during early myeloid development and is upregulated on all BM cells stimulated *in vitro* with M-CSF. It has been shown that some cytokines downregulate the expression of F4/80 resulting in lack of F4/80 antigen on a subpopulation of macrophages, especially in the lymphoid microenvironment *in vivo*.

Applications Reported

This BM8 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This BM8 antibody has been tested by flow cytometric analysis of mouse splenocytes or bone marrow cells. This can be used at less than or equal to 1 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.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

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Zwadlo G, Bocker EB, von Bassewitz DB, Feige U, Sorg C. A monoclonal antibody to a differentiation antigen present on mature human macrophages and absent from monocytes. *J Immunol.* 1985. 134(3):1487-92

Related Products

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

50-4321 Rat IgG2a K Isotype Control eFluor® 660 (Alexa Fluor® 647 Replacement) (eBR2a)