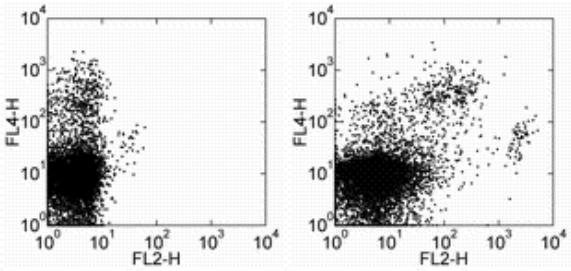
Anti-Mouse F4/80 Antigen PE

Catalog Number: 12-4801
Also Known As: Pan Macrophage Marker
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of C57BL/6 splenocytes with Anti-Mouse CD11b APC (cat. 17-0112) and 0.125 ug of Rat IgG2a K Isotype Control PE (cat. 12-4321) (left) or 0.125 ug of Anti-Mouse F4/80 Antigen PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse F4/80 Antigen PE
REF **Catalog Number:** 12-4801
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.
LOT **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

BM8 has been reported for use in flow cytometric analysis.

Applications Tested

This BM8 antibody has been tested by flow cytometric analysis of mouse spleen and bone marrow cell suspensions. 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Related Products
12-4321 Rat IgG2a K Isotype Control PE (eBR2a)
17-0112 Anti-Mouse CD11b APC (M1/70)

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