

F4/80 antibody [BM8.1] (APC-Cy7)

Cat. No. GTX01470-15

Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Applications	FCM
Reactivity	Mouse

References (5)

Package

100 µg

PRODUCT

Summary

The BM8.1 antibody is specific for mouse F4/80 antigen, a 125 kDa transmembrane protein widely expressed by members of the mononuclear phagocyte system and considered to be a key marker for mature macrophage cells. F4/80 is differentially expressed during myeloid cell development, and may be regulated by certain cytokines within the tissue microenvironment. Other cell types shown to express this antigen include Langerhans cells, Kupffer cells and dendritic cell subsets. BM8.1 is widely used together with antibodies to CD115 (c-fms), CD11b and CD11c to identify myeloid / macrophage cells by flow cytometry.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FCM	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Allophycocyanin-Cyanine7 (APC-Cy7) Wavelength

Note

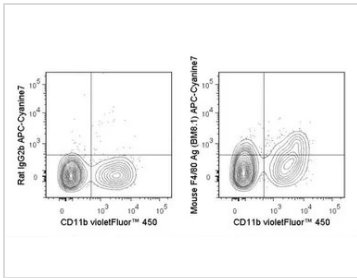
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DATA IMAGES



GTx01470-15 FCM Image

FACS analysis of mouse C57Bl/6 bone marrow cells using GTx01470-15 F4/80 antibody [BM8.1] (APC-Cy7).

Right panel : co-stained with F4/80 antibody [BM8.1] (APC-Cy7) and Mouse CD11b antibody (violetFluor™ 450)

Left panel : co-stained with isotype control and Mouse CD11b antibody (violetFluor™ 450)
antibody amount : 0.25 µg (5 µl)



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