

**APC Anti-Mouse F4/80 Antigen (BM8.1) Antibody**  
**Catalog # ATB10044****Specification****APC Anti-Mouse F4/80 Antigen (BM8.1) Antibody - Product Information**

Application	FC
Isotype	Rat IgG2a, $\kappa$
Concentration	0.2 mg/mL
Reactivity	Mouse
Formulation	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , 0.1% gelatin, pH7.2
Host	Rat

**APC Anti-Mouse F4/80 Antigen (BM8.1) Antibody - Additional Information**

Gene ID	13733
Gene Name	Emr1
Alternative Name(s)	
EMR1, Ly71	

**Format**  
APC**Preparation**

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

**Application Notes**

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.

**Storage Conditions**

2-8°C protected from light

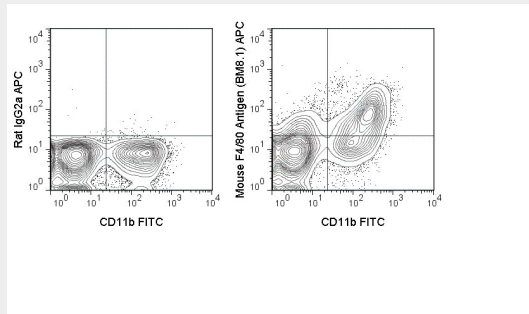
**APC Anti-Mouse F4/80 Antigen (BM8.1) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

## **APC Anti-Mouse F4/80 Antigen (BM8.1) Antibody - Images**



C57Bl/6 bone marrow cells were stained with FITC Anti-Mouse CD11b (35-0112) and 0.5 ug APC Anti-Mouse F4/80 Antigen (ATB10044) (right panel) or 0.5 ug APC Rat IgG2a isotype control (left panel).

## **APC Anti-Mouse F4/80 Antigen (BM8.1) Antibody - Background**

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.