10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FITC Anti-Mouse F4/80 Antigen (BM8.1) Antibody

Catalog # ATB10125

Specification

FITC Anti-Mouse F4/80 Antigen (BM8.1) Antibody - Product Information

Application	**FC**
Isotype	**Rat IgG2a, κ**
Concentration	**0.5 mg/mL**
Reactivity	**Mouse**
Formulation	**10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH7.2**
Host	**Rat**

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

Gene ID	**13733**
Gene Name	**Emr1**

Alternative Name(s)
EMR1, Ly71

Format
FITC

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

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

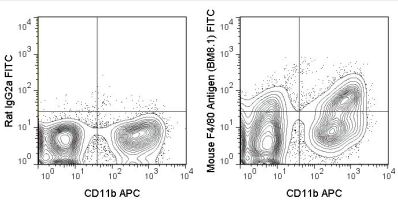
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Cell Culture

FITC Anti-Mouse F4/80 Antigen (BM8.1) Antibody - Images



C57Bl/6 bone marrow cells were stained with APC Anti-Mouse CD11b (20-0112) and 0.25 ug FITC Anti-Mouse F4/80 Antigen (ATB10125) (right panel) or 0.25 ug FITC Rat IgG2a isotype control (left panel).

FITC 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.