

# Datasheet for ABIN6657865 anti-F4/80 antibody (FITC)

# 1 Image



#### Overview

Quantity:	500 μg
Target:	F4/80 (EMR1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This F4/80 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

#### **Product Details**

Purpose:	F4/80 Fluorescein Antibody
Immunogen:	Anti-F4/80 Antibody (Monoclonal) was produced by repeated immunizations with F4/80 antigen.
Clone:	BM8-1
Isotype:	IgG2a kappa
Cross-Reactivity (Details):	Cross reactivity with F4/F80 from other sources has not been tested.
Purification:	Fluorescein conjugated F4/80 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against mouse F4/F80.
Sterility:	Sterile filtered
Labeling Ratio:	2-8

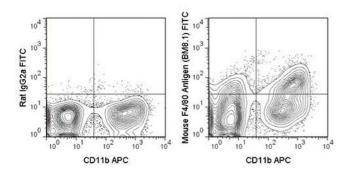
# **Target Details**

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Target:	F4/80 (EMR1)
Alternative Name:	F4/80 (EMR1 Products)
Background:	Synonyms: EMR1, Ly71, EGF-TM7
	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.
	Gene Name: Emr1
Gene ID:	13733
NCBI Accession:	NP_034260
UniProt:	Q61549
Application Details	
Application Notes:	Flow_Cytometry_Dilution: 10 μL/10^6 cells (0.1 μg)
	Other: Sufficient to run approximately 500 tests
Comment:	Anti-F4/80 is tested for Flow Cytometry using mouse spleen cells, or an appropriate cell type
	(where indicated). Researchers should determine optimal titers for applications that are not
	stated.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
	Stabilizer: 0.1 % Gelatin
	Preservative: 0.09 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

# Handling

	should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive.
Expiry Date:	6 months
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### **Images**



## Flow Cytometry

Image 1. Flow Cytometry of anti-F4/80 FITC - 200-502-L55 Flow Cytometry of anti-F4/80 Fluorescein Conjugated Monoclonal Antibody. Cells: C57BL/6 bone marrow. Stimulation: none. Antibody: CD11b APC with Rat IgG2a isotype control 0.25µg (left panel); and Fluorescein Anti-F4/80 antibody 0.25µg (right panel).