

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



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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

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/10⁶ 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

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).

