

Datasheet for ABIN6657866
anti-F4/80 antibody (PE)



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1 Image

Overview

Quantity:	100 µg
Target:	F4/80 (EMR1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This F4/80 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

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

Target Details

Target:	F4/80 (EMR1)
Alternative Name:	F4/80 (EMR1 Products)
Background:	Synonyms: EMR1, Ly71, EGF-TM7 Background: F4/80 is a 160 kD glycoprotein. It is characterized as a member of the epidermal growth factor (EGF)-transmembrane 7 (TM7) family. F4/80, also known as EMR1 or Ly71, has been widely used as a murine macrophage marker, which is expressed on majority of tissue macrophages including peritoneal macrophages, macrophages in lung, gut, thymus and red pulp of spleen (but not on the macrophages located in T cell areas of the spleen, lymph node and Peyer's patch), Kuffer cells, Langerhans cells, bone marrow stromal cells. F4/80 has also been shown on a subset of dendritic cells. The biological ligand of F4/80 has not been identified, but it has been reported that F4/80 is required for induction of CD8 T cells-mediated peripheral tolerance. Gene Name: Emr1
Gene ID:	13733
NCBI Accession:	NP_034260
UniProt:	Q61549

Application Details

Application Notes:	Immunohistochemistry_Dilution: User Optimized Flow_Cytometry_Dilution: 10 µL/10⁶ cells (0.1 µg)
Comment:	Anti-F4/80 is tested for Flow Cytometry and useful for Immunohistochemistry 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

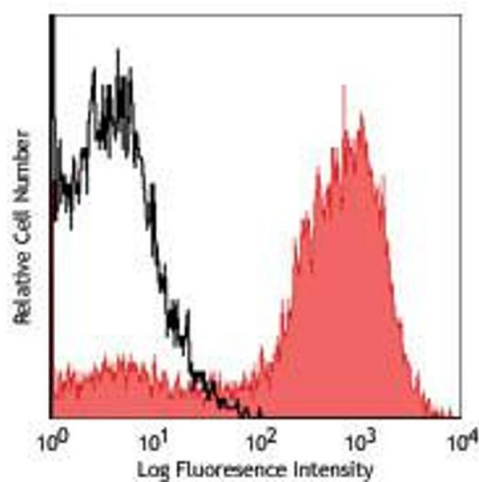
Handling

Format:	Liquid
Buffer:	Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.09 % (w/v) Sodium Azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE.
Expiry Date:	6 months

Images



Flow Cytometry

Image 1. Flow Cytometry of anti-F4/80 PE - 200-508-L55 Flow Cytometry of anti-F4/80 Phycoerythrin Conjugated Monoclonal Antibody. Cells: BALB/c mouse peritoneal macrophages. Stimulation: none. Antibody: (Black line) Rat IgG2a isotype control; (Red filled line) Phycoerythrin Anti-F4/80 antibody.