Datasheet for ABIN784615

anti-F4/80 antibody (FITC)

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Overview

Quantity:	0.1 mg
Target:	F4/80 (EMR1)
Reactivity:	Mouse, Human
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This F4/80 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Cultured macrophages
Clone:	BM8
Isotype:	IgG2a
Specificity:	This antibody recognizes the F4/80 antigen on major subpopulations of resident tissue macrophages (Schaller et al. 2002). Antigen Distribution Isolated Cells: The antigen is expressed in vitro on over 80 % of M-CSF stimulated bone marrow derived macrophages, after a few days of culture. It is absent from granulocytes, lymphocytes and thrombocytes. Tissue Sections: The antigen is detected on tissue fixed macrophages in all organs tested so far (spleen, lymph nodes, thymus, liver, skin) except lung. It is also present on Langerhans cells in the skin and Kupffer cells in the liver. In complete Freund's adjuvant induced granulomas, the antigen is expressed by inflammatory macrophages, but is absent from epitheloid cells.Isolated Cells:Tissue Sections:

Product Details

Cross-Reactivity (Details):	Species reactivity (tested):Mouse (major subpopulation of resident tissue macrophages), Human (heart macrophages)
Purification:	Affinity chromatography

Target Details

Target:	F4/80 (EMR1)
Alternative Name:	Macrophage F4/80 Antigen (EMR1 Products)
Background:	The antigen expression increases upon maturation of macrophage precursors in bone marrow and blood as well as in ontogeny. BM8 is the only macrophage marker that is able to distinguish non-destructive from destructive inflammation processes in the pancreas and has been shown to be a unique histological marker of the progression from peri-insulitis to β-cell destruction and diabetes in a mouse diabetes model.Synonyms: Cell surface glycoprotein EMR1, EMR1 hormone receptor, Emr1, Gpf480
Gene ID:	13733
NCBI Accession:	NP_034260
UniProt:	Q61549

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, pH 7.2, 0.09 % Sodium Azide, 10 mg/mL BSA
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C