

Rat anti-Mouse F4/80 Monoclonal Antibody | anti-F4/80 antibody

Anti-Mouse F4/80 Monoclonal Antibody (FITC Conjugated)

CATALOG # AAA174046	HOST Rat	REACTIVITY Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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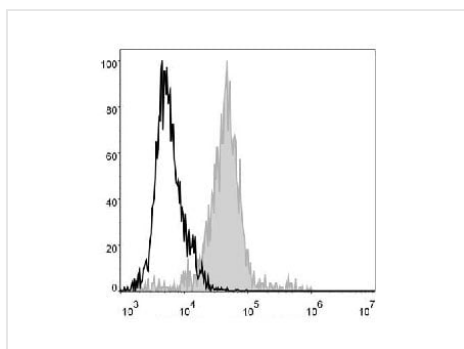
PRODUCT SYNONYMS

F4/80; Monoclonal Antibody; Anti-Mouse F4/80 Monoclonal Antibody (FITC Conjugated); Mouse F4/80; Adhesion G protein-coupled receptor E1; Adgre1; Cell surface glycoprotein F4/80; EGF-like module receptor 1; Emr1; Gpf480; anti-F4/80 antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rat IgG2b, kappa
Clone Number	CI:A3-1
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Applicable Applications for anti-F4/80 antibody	FCM/FACS (Flow Cytometry)
Preparation and Storage	Ships on blue ice. Keep as concentrated solution. Store at 2–8 degree C and protected from prolonged exposure to light. Do not freeze. This product is guaranteed up to one year from purchase.

IMAGES



FCM/FACS (Flow Cytometry)

Mouse abdominal macrophages elicited by starch broth are stained with FITC Anti-Mouse F4/80 Antibody (filled gray histogram). Unstained macrophages (blank black histogram) are used as control.

ADDITIONAL INFORMATION

Related Product Information for anti-F4/80 antibody	Background/Introduction: 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 the 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, and 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.
References	1. Austy JM and Gordon S. 1981. Eur. J. Immunol. 11:805. 2. Hume DA, et al. 1983. J. Exp. Med. 158:1522. 3. Ruedl C, et al. 1996. Eur. J. Immunol. 26:1801. 4. McKnight AJ, et al. 1996. J. Biol. Chem. 271:486. 5. Lin HH, et al. 2005. J. Exp. Med. 201:1615.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33859546
NCBI GeneID	13733
NCBI Accession #	NP_034260.1
NCBI GenBank Nucleotide #	NM_010130.4
UniProt Accession #	Q61549
NCBI Official Full Name	adhesion G protein-coupled receptor E1 isoform 1
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor E1
NCBI Official Symbol	Adgre1
NCBI Official Synonym Symbols	Emr1; Ly71; F4/80; Gpf480; TM7LN3; DD7A5-7; EGF-TM7
NCBI Protein Information	adhesion G protein-coupled receptor E1
UniProt Protein Name	Adhesion G protein-coupled receptor E1
UniProt Gene Name	Adgre1
UniProt Synonym Gene Names	Emr1; Gpf480

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.