

Datasheet for ABIN111853
anti-F4/80 antibody (FITC)



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1 Image

Overview

Quantity:	50 µg
Target:	F4/80 (EMR1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This F4/80 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Thioglycollate stimulated peritoneal macrophages from C57/BL mice. Spleen cells from immunised HOB2 rats were fused with cells of the mouse NS-1 myeloma cell line.
Clone:	Cl:A3-1
Isotype:	IgG2b
Specificity:	This antibody recognises the Murine F4/80 antigen. Clone Cl:A3-1 has been reported to modulate cytokine levels released in response to <i>Listeria monocytogenes</i> . We recommend the use of antibody BM4008A for this purpose
Purification:	Affinity Chromatography on Protein G

Target Details

Target:	F4/80 (EMR1)
Alternative Name:	Macrophage F4/80 Antigen (EMR1 Products)

Target Details

Background: F4/80 antigen is a 160 kDa cell surface glycoprotein that is a member of the EGF TM7 family of proteins which shares 68 % overall amino acid identity with human EGF module containing mucin like hormone receptor 1 (EMR1). Expression of F4/80 is heterogeneous and is reported to vary during macrophage maturation and activation. The F4/80 antigen is expressed on a wide range of mature tissue macrophages including Kupffer cells, Langerhans, microglia, macrophages located in the gut lamina propria, peritoneal cavity, lung, thymus, bone marrow stroma and macrophages in the red pulp of the spleen. F4/80 expression has also been reported on a subpopulation of dendritic cells but is absent from macrophages located in T cell areas of the spleen and lymph node. The ligands and biological functions of the F4/80 antigen have not yet been determined but recent studies suggest a role for F4/80 in the generation of efferent CD8+ve regulatory T cells. Synonyms: Cell surface glycoprotein EMR1, EMR1 hormone receptor, Emr1, Gpf480

Gene ID: 13733

NCBI Accession: [NP_034260](#)

UniProt: [Q61549](#)

Application Details

Application Notes: Flow Cytometry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 0.1 mg/mL

Buffer: PBS, 0.09 % Sodium Azide, 1 % 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: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

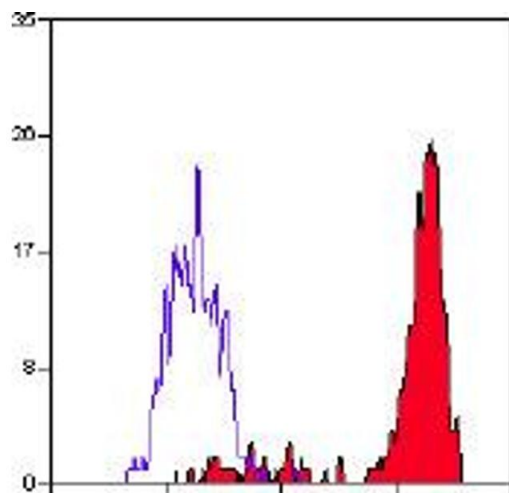


Image 1. Staining of mouse peritoneal macrophages with RAT ANTI MOUSE F4/80 ANTIGEN:FITC (ABIN111853).