

## Monoclonal Antibody to Macrophage F4/80 antigen - FITC

<b>Alternate names:</b>	Cell surface glycoprotein EMR1, EMR1 hormone receptor, Emr1, Gpf480
<b>Catalog No.:</b>	BM4008FS
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q61549</a>
<b>NCBI:</b>	<a href="#">NP_034260.1</a>
<b>GeneID:</b>	<a href="#">13733</a>
<b>Host / Isotype:</b>	Rat / IgG2b
<b>Clone:</b>	Cl:A3-1
<b>Immunogen:</b>	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.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction. <b>Purification:</b> Affinity Chromatography on Protein G. <b>Buffer System:</b> PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises the F4/80 antigen. The antibody binds to Macrophages from different sites including the peritoneal cavity, lung, spleen and thymus, to blood monocytes and to macrophages derived from bone marrow precursors in culture.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)

**Species Reactivity:** Tested: Mouse.

**Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General References:**
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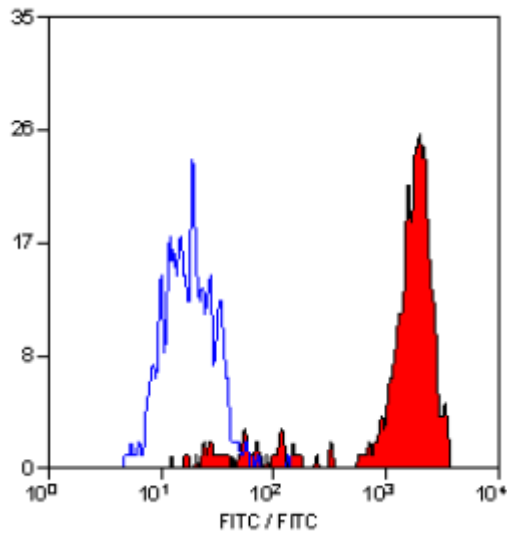
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Pictures:



Staining of mouse peritoneal macrophages with RAT ANTI MOUSE F4/80 ANTIGEN antibody -FITC

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