

## Monoclonal Antibody to CD11b - FITC

<b>Alternate names:</b>	CD11 antigen-like family member B, CR-3 alpha chain, CR3A, Cell surface glycoprotein MAC-1 subunit alpha, ITGAM, Integrin alpha-M, Leukocyte adhesion receptor MO1, MAC1, Neutrophil adherence receptor
<b>Catalog No.:</b>	SM2199F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD11b is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement coated particles. It is identical to CR3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the RGD peptide in C3b. CD11b is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain. The Mac1 CD11b antigen is present on macrophages, granulocytes, natural killer cells, blood monocytes. CD11b is expressed on 8% spleen cells, 44% bone marrow cells and less than 1% of thymocytes and is commonly used as a microglial marker in nervous tissue.
<b>Uniprot ID:</b>	<a href="#">P05555</a>
<b>NCBI:</b>	<a href="#">10090</a>
<b>Host / Isotype:</b>	Rat / IgG2b
<b>Clone:</b>	5C6
<b>Immunogen:</b>	Thioglycollate-elicited Peritoneal Macrophages (TPM). Spleen cells from AO rats were fused with cells of the Y3 rat myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Ion exchange chromatography <b>Buffer System:</b> PBS, pH 7.2 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with complement type 3 receptor (CR3) and precipitates a heterodimer of 165 and 95kD. Clone 5C6 inhibits adhesion in vitro and inflammatory recruitment in vivo. Clone 5C6 also inhibits delayed hypersensitivity, inflammation and potentiates bacterial infections and inhibits type 1 diabetes. Partially prevents LPS induced myelomonocytic cell recruitment. <b>Species:</b> Mouse. Other species not tested.

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

**Storage:**

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

**General References:**

1. Rosen H and Gordon, S. (1990) The role of the Type 3 Complement Receptor in the induced recruitment of myelomonocytic cells to inflammatory sites in mouse. *Am. J. Respir. Cell. Mol. Biol.* 3: 3-10.

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