

Product datasheet for **SM014F**

CD11b Rat Monoclonal Antibody [Clone ID: M1/70.15]

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | M1/70.15 |
| Applications: | FC |
| Recommended Dilution: | Flow cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. |
| Reactivity: | Human, Mouse, Rabbit |
| Host: | Rat |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | T cell enriched splenocytes from B10 mice. Spleen cells from immunised DA rats were fused with cells of the mouse NS1/1.Ag4.1 myeloma cell line. |
| Specificity: | This antibody recognises the CD11b cell surface antigen (also known as the alpha M integrin chain or MAC-1). Clone M1/70.15 has been reported to block iC3b binding to its receptor. SM014A is recommended for this purpose. Clone M1/70.15 has been reported to as being suitable for use on PLP fixed paraffin embedded tissue but has not been tested for use on formalin fixed tissue. |
| Formulation: | PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1 |
| Concentration: | lot specific |
| Purification: | Affinity chromatography on Protein A |
| Conjugation: | FITC |
| 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. |
| Stability: | Shelf life: one year from despatch. |



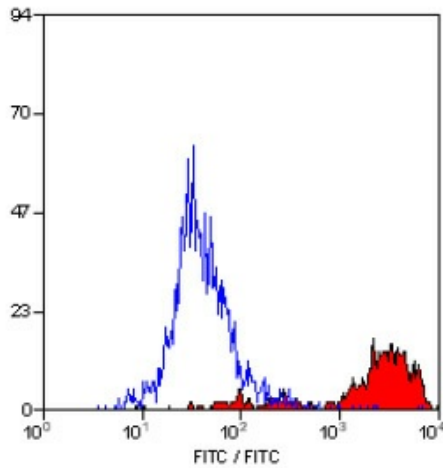
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Background: MAC-1 is a differentiation antigen expressed by granulocytes, monocytes, NK cells and tissue macrophages. The expression of CD11b increases during monocyte maturation and expression levels vary on tissue macrophages. Peritoneal macrophages are reported to express higher levels of CD11b than splenic macrophages.

Synonyms: ITGAM, CR3A, CR-3 alpha chain, Integrin alpha-M, MAC1

Product images:



Staining of mouse peritoneal macrophages cells with RAT ANTI MOUSE CD11b:FITC