

## Product datasheet for **SM014LE**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M1/70.15
Applications:	FC, FN, IHC, IP
Recommended Dilution:	<b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections.</b> <b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> 1/50-1/100 (routinely tested on Mouse peritoneal macrophages). <b>Functional Assays:</b> Clone M1/70.15 has been reported to block iC3b binding to its receptor. <b>Immunofluorescence.</b>
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 NS1/1.Ag4.1 mouse myeloma cell line.
Specificity:	This antibody recognises the CD11b cell surface antigen (also known as the alpha M integrin chain or MAC-1), a differentiation antigen expressed by granulocytes, monocytes, NK cells and tissue macrophages.
Formulation:	State: Low Endotoxin State: Liquid purified Ig fraction without preservatives.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C only. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: One year from despatch.



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**Database Link:** [P05555](#)

**Background:** 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

**Note:** **Endotoxin Level:** < 0.01EU/μg