

Product datasheet for **SM2199LE**

CD11b Rat Monoclonal Antibody [Clone ID: 5C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5C6
Applications:	FC, FN, IF, IHC, IP
Recommended Dilution:	Flow Cytometry: Use 10 μ l of 1/50-1/100 diluted antibody to label 10^6 cells in 100 μ l. Functional Assays. Immunoprecipitation. Immunofluorescence. Immunohistochemistry on Frozen Sections.
Reactivity:	Human, Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Thioglycollate-elicited Peritoneal Macrophages (TPM). Spleen cells from AO rats were fused with cells of the Y3 rat myeloma cell line.
Specificity:	SM2199LE reacts with complement type 3 receptor (CR3) and precipitates a heterodimer of 165 and 95 kD. 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.
Formulation:	Phosphate Buffered Saline State: Low Endotoxin State: Liquid purified IgG fraction from Tissue Culture Supernatant Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	P05555
Background:	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.
Synonyms:	ITGAM, CR3A, CR-3 alpha chain, Integrin alpha-M, MAC1