



# Anti-ITGAM monoclonal antibody, clone 5C6 [R-PE] (CABT-45439RM)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD11b antibody, clone 5C6 recognizes CD11b, also known as the integrin alpha M chain. CD11b is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. MCA711 immunoprecipitates a heterodimer of 165 and 95kD. Rat anti Mouse CD11b antibody, clone 5C6 exhibits various functional properties, reportedly inhibiting adhesion in vitro and inflammatory recruitment in vivo. Rat anti Mouse CD11b antibody, clone 5C6 also inhibits delayed hypersensitivity, potentiates bacterial infections and inhibits type 1 diabetes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.

<b>Specificity</b>	ITGAM
<b>Immunogen</b>	Thioglycollate-elicited Peritoneal Macrophages (TPM)
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse, Human
<b>Clone</b>	5C6
<b>Conjugate</b>	PE
<b>Applications</b>	FC
<b>Format</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
<b>Size</b>	100 tests
<b>Preservative</b>	0.09% Sodium Azide

**Storage**

Store at +4°C. DO NOT FREEZE This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">Itgam integrin alpha M [ Mus musculus (house mouse) ]</a>
Official Symbol	ITGAM
Synonyms	ITGAM; integrin alpha M; CR3; CR3A; MAC1; Cd11b; Ly-40; Mac-1; Mac-1a; CD11b/CD18; F730045J24Rik; integrin alpha-M; Mac-1 alpha; CD11B (p170); CR-3 alpha chain; macrophage antigen alpha; complement receptor type 3; leukocyte adhesion receptor MO1; CD11 an
Entrez Gene ID	<a href="#">16409</a>
Protein Refseq	<a href="#">NP_001076429</a>
UniProt ID	P05555
Chromosome Location	7; 7 F4
Pathway	Amoebiasis; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Extracellular matrix organization; Focal Adhesion; Hematopoietic cell lineage; Hemostasis; IL-5 Signaling Pathway;
Function	glycoprotein binding; heparan sulfate proteoglycan binding; heparin binding; metal ion binding; opsonin binding; protein heterodimerization activity;