

## Anti-ITGAM monoclonal antibody, clone 5C6 [R-PE]

Cat.No: CABT-45439RM

Lot. No. (See product label)

### 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>	R-PE
<b>Applications</b>	FC
<b>Procedure</b>	Conjugated Antibodies
<b>Format</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
<b>Size</b>	100 Tests
<b>Preservative</b>	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose
<b>Storage</b>	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.
<b>Warnings</b>	For research purposes only

### Antigen Gene Information

<b>Gene Name</b>	<a href="#">Itgam integrin alpha M [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	ITGAM
<b>Synonyms</b>	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
<b>Entrez Gene ID</b>	<a href="#">16409</a>
<b>mRNA Refseq</b>	<a href="#">NM_001082960</a>

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<b>Protein Refseq</b>	<a href="#">NP_001076429</a>
<b>UniProt ID</b>	P05555
<b>Chromosome Location</b>	7; 7 F4
<b>Pathway</b>	Amoebiasis; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Extracellular matrix organization; Focal Adhesion; Hematopoietic cell lineage; Hemostasis;
<b>Function</b>	glycoprotein binding; heparan sulfate proteoglycan binding; heparin binding; metal ion binding; opsonin binding; protein heterodimerization activity;