



# Anti-ITGAM monoclonal antibody, clone M1/70.15 [R-PE/Cy5®] (CABT-45462RM)

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

## PRODUCT INFORMATION

### Product Overview

Rat anti Mouse CD11b antibody, clone M1/70.15 recognizes the murine 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. 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. Rat anti Mouse CD11b antibody, clone M1/70.15 has been reported to block iC3b binding to its receptor. Rat anti Mouse CD11b antibody, 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. This product is routinely tested in flow cytometry on mouse peritoneal macrophages. 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>	T cell enriched splenocytes from B10 mice.
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse, Human, Rabbit
<b>Clone</b>	M1/70.15
<b>Conjugate</b>	PE/Cy5
<b>Applications</b>	FC
<b>Size</b>	1 ml

<b>Preservative</b>	0.09% Sodium Azide
<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.

## 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>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; IL-5 Signaling Pathway;
<b>Function</b>	glycoprotein binding; heparan sulfate proteoglycan binding; heparin binding; metal ion binding; opsonin binding; protein heterodimerization activity;