



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.

Specificity	ITGAM
Immunogen	T cell enriched splenocytes from B10 mice.
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse, Human, Rabbit
Clone	M1/70.15
Conjugate	PE/Cy5
Applications	FC
Size	1 ml

Preservative	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	Itgam integrin alpha M [<i>Mus musculus</i> (house mouse)]
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	16409
Protein Refseq	NP_001076429
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;
