



Anti-ITGAM monoclonal antibody, clone ICRF44 [R-PE] (CABT-45429MH)

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

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD11b antibody, clone ICRF44 recognizes the human CD11b cell surface glycoprotein, a 165kD molecule also known as the alphaM integrin, MAC-1 and CR3. This molecule is expressed as a heterodimer in association with the beta 2 integrin, and is found upon monocytes, granulocytes, NK cells and some peripheral blood lymphocytes. Mouse anti Human CD11b antibody, clone ICRF44 has been reported to have various functional effects on monocytes, blocking adhesion and stimulating cytokine and chemokine release. Flow Cytometry Use 10ul of the suggested working dilution to label 100ul of whole blood or 106 cells in 100ul.
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Specificity	ITGAM
Immunogen	Rheumatoid Synovial cells and Human Monocytes
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Baboon, Cynomolgus monkey, Rhesus monkey
Clone	ICRF44
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests
Preservative	0.09% Sodium Azide

Storage	Prior to reconstitution store at +4°C. Following reconstitution 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.
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GENE INFORMATION

Gene Name	ITGAM integrin, alpha M (complement component 3 receptor 3 subunit) [Homo sapiens (human)]
Official Symbol	ITGAM
Synonyms	ITGAM; integrin, alpha M (complement component 3 receptor 3 subunit); CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; integrin alpha-M; CR-3 alpha chain; antigen CD11b (p170); leukocyte adhesion receptor MO1; CD11 antigen-like family member B; macrophage antigen
Entrez Gene ID	3684
Protein Refseq	NP_000623
UniProt ID	P11215
Chromosome Location	16p11.2
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 binding; protein heterodimerization activity;