

Mouse CD11b Monoclonal Antibody | anti-CD11b antibody

Anti-Hu CD11b PE

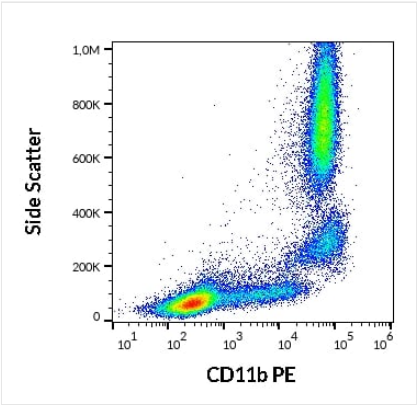
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128622	Mouse	Human, Non-human primates	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

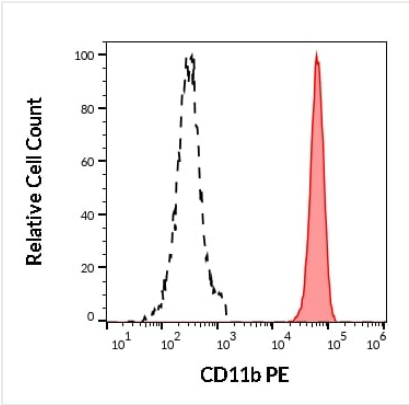
CD11b; Monoclonal Antibody; Anti-Hu CD11b PE; integrin subunit alpha M; Mac-1; Integrin alpha M; ITGAM; CR3A; MO1A; MAC1A; anti-CD11b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Non-human primates
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ICRF44
Specificity	The mouse monoclonal antibody ICRF44 recognizes an extracellular epitope of CD11b (Mac-1alpha), a 165-170 kDa type 1 transmembrane protein mainly expressed on monocytes, granulocytes and NK-cells.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	1153
Applicable Applications for anti-CD11b antibody	FCM/FACS (Flow Cytometry)
Immunogen	Rheumatoid synovial cells and human monocytes.
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.



FCM/FACS (Flow Cytometry)
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD11b (ICRF44) PE antibody (10 ul reagent / 100 ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Separation of human neutrophil granulocytes (red-filled) from CD11b negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD11b (ICRF44) PE antibody (10 ul reagent / 100 ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD11b antibody	CD11b (integrin alphaM subunit) is a 165-170 kDa type I transmembrane glycoprotein that non-covalently associates with integrin beta2 subunit (CD18); expression of the CD11b chain on the cell surface requires the presence of the CD18 antigen. CD11b/CD18 integrin (Mac-1, CR3) is highly expressed on NK cells, neutrophils, monocytes and less on macrophages. CD11b/CD18 integrin is implicated in various adhesive interactions of monocytes, macrophages and granulocytes, facilitating their diapedesis, as well as it mediates the uptake of complement coated particles, serving as a receptor for the iC3b fragment of the third complement component.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224831239
NCBI GeneID	3684
NCBI Accession #	NP_001139280.1
NCBI GenBank Nucleotide #	NP_001139280.1
UniProt Accession #	P11215
NCBI Official Full Name	integrin alpha-M isoform 1
NCBI Official Synonym Full Names	integrin subunit alpha M
NCBI Official Symbol	ITGAM
NCBI Official Synonym Symbols	CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6
NCBI Protein Information	integrin alpha-M
UniProt Protein Name	Integrin alpha-M
UniProt Gene Name	ITGAM
UniProt Synonym Gene Names	CD11B; CR3A
UniProt Entry Name	ITAM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.