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30-2831: Anti-Ms CD11b PE

Clonality :	Monoclonal
Clone Name :	M1/70
Application :	FACS
Reactivity :	Mouse
Conjugate :	PE
Gene :	Itgam
Gene ID :	16409
Uniprot ID :	G5E8F1
Alternative Name :	integrin subunit alpha M Mac-1, Integrin alpha M, ITGAM, CR3A, MO1A, MAC1A
Immunogen Information :	B10 mouse spleen cells enriched for T cells

Description

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.
Specificity :The rat monoclonal antibody M1/70 detects an extracellular epitope of CD11b (integrin alphaM subunit), a type I transmembrane protein mainly expressed on monocytes/macrophages, granulocytes and NK-cells, which associates with CD18 to form Mac-1 integrin that plays important role in cell-cell interactions.

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-2 Âµg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.