

30-2827: Anti-Ms CD11b Purified

Clonality :	Monoclonal
Clone Name :	M1/70
Application :	FACS
Reactivity :	Mouse
Gene :	Itgam
Gene ID :	16409
Uniprot ID :	G5E8F1
Format :	Purified
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 by protein-G affinity chromatography followed by size-exclusion chromatography.
Content :	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1 μ g/ml.