

### 30-2830: Anti-Ms CD11b FITC

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	M1/70
<b>Application :</b>	FACS
<b>Reactivity :</b>	Mouse
<b>Conjugate :</b>	FITC
<b>Gene :</b>	Itgam
<b>Gene ID :</b>	16409
<b>Uniprot ID :</b>	G5E8F1
<b>Alternative Name :</b>	integrin subunit alpha M Mac-1, Integrin alpha M, ITGAM, CR3A, MO1A, MAC1A
<b>Immunogen Information :</b>	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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Concentration: 0.5 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 1-3  $\mu\text{g/ml}$ .