

## 30-1117: Anti-CD11b / Mac-1 alpha Monoclonal Antibody (Clone:MEM-174)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-174
<b>Application :</b>	FACS, IP
<b>Reactivity :</b>	Human
<b>Gene :</b>	ITGAM
<b>Gene ID :</b>	3684
<b>Uniprot ID :</b>	P11215
<b>Format :</b>	Purified
<b>Alternative Name :</b>	ITGAM,CD11B,CR3A
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Human granulocytes

### 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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Flow Cytometry** *Recommended dilution:* 1 Åµg/ml

*Positive control:* Peripheral Blood Lymphocytes

**Immunoprecipitation** *Positive control:* Granulocytes

CD11b/CD18 transfectants

*Application note:* Immunoprecipitation with the antibody MEM-174 was successfully performed using immuno-affinity sorbents (minicolumns). The final immunosorbent should contain 1-5 mg of antibody/1 ml of sorbent gel (e.g. agarose beads) It is recommended to stimulate positive control material by LPS 1-2 days before to achieve better expression of target antigen).