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

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

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

Application Note

Flow Cytometry *Recommended dilution:*1 ÃÂµg/ml
Positive control: Peripheral Blood Lymphocytes
Immunoprecipitation *Positive control:* Granulocytes
CD11b/CD18 transfectants
Application note: Immunoprecipitation with the antibody MEM-174 was successfuly 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).

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