

Product datasheet for **AM03120AF-N**

CD11b (ITGAM) Mouse Monoclonal Antibody [Clone ID: MEM-170]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-170
Applications:	FC, FN
Recommended Dilution:	Flow Cytometry: 1 µg/ml. Functional Application: The antibody MEM-170 blocks (not completely) Mac-1-mediated neutrophil binding to fibrinogen.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human granulocytes
Specificity:	The antibody recognizes CD11b antigen (Mac-1), a 165 kDa transmembrane protein type 1 mainly expressed on monocytes, granulocytes and NK-cells. The antibody blocks (not completely) Mac-1-mediated neutrophil binding to fibrinogen.
Formulation:	Azide free phosphate buffered saline (PBS), preserved by filter sterilization, approx. pH 7.4 State: Azide Free State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein G affinity chromatography; purity: > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha M
Database Link:	Entrez Gene 3684 Human P11215



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Background:

CD11b (integrin α M subunit) is a 165 kDa type I transmembrane glycoprotein that non-covalently associates with integrin β 2 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.

Synonyms:

ITGAM, CR3A, CR-3 alpha chain, Integrin α -M, MAC1