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Product datasheet for AM32402PU-N

CD11b (ITGAM) Mouse Monoclonal Antibody [Clone ID: BEAR-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BEAR-1
Applications:	IF, IHC, IP
Recommended Dilution:	**Fluorescence Microscopy** or **Flow Cytometry** (2 µg / 5x10^5 cells/test). **Immunoprecipitation.** **Immunohistochemistry on Frozen Sections.** ***Typical Starting Dilution:*** 1/10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody clone *Bear-1* reacts with the CD11b alpha chain of the CD11b/CD18 (p165, 95) integrin heterodimer complex present on Human NK cells, monocytes, and granulocytes. The recognized structure is the alpha chain of a heterodimer glycoprotein of Mw 165kD (alpha chain) and 95kD (beta chain).
Formulation:	PBS State: Purified State: Liquid (0.2 µm filtered) purified IgG fraction Stabilizer: 0.1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
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 is an alpha chain integrin that is expressed as heterodimer noncovalently associated with CD18. CD11b is also designated as CR3, Mac-1, Mo-1 in integrin alphaM subunit and has a molecular weight of 165-170 kDa. The protein mediates PMN and monocytes adherence to endothelium and subsequently PMN extravasation to sites of inflammation. CD11b/CD18 interacts with both matrix and cell surface proteins including the complement component iC3b, extracellular matrix proteins and the third extracellular domain of CD54. CD11b is expressed on human NK-cells, monocytes, granulocytes, T-cells, B-cells and dendritic cells. After activation the expression is upregulated.

Synonyms: ITGAM, CR3A, CR-3 alpha chain, Integrin alpha-M, MAC1