

## Product datasheet for **AM32402FC-N**

### CD11b (ITGAM) Mouse Monoclonal Antibody [Clone ID: VIM12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	VIM12
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> 5 µg / 1x10 <sup>6</sup> cells/test
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody clone <i>VIM12</i> (clone renamed, formerly <i>Bear-1</i> ) 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:	Label: FITC State: Liquid Stabilizer: Highly purified grade of BSA has been added as a stabilizing protein to bring the final protein concentration to 4-5 mg/ml. Preservative: 0.09% Sodium Azide Absorption emission: 488 nm / 525 nm
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin subunit alpha M
Database Link:	<a href="#">Entrez Gene 3684 Human P11215</a>



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**Background:**

CD11b is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement coated particles. It is identical to CR3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the RGD peptide in C3b. CD11b is also a receptor for fibrinogen, factor X and ICAM1. It recognizes P1 and P2 peptides of fibrinogen gamma chain. The Mac1 CD11b antigen is present on macrophages, granulocytes, natural killer cells, blood monocytes. CD11b is expressed on 8% spleen cells, 44% bone marrow cells and less than 1% of thymocytes and is commonly used as a microglial marker in nervous tissue.

**Synonyms:**

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