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Product datasheet for AM05514BT-N

Itgax Hamster Monoclonal Antibody [Clone ID: N418]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N418
Applications:	FC
Recommended Dilution:	**Flow Cytometry:** Use 10 µl of neat-1/5 diluted antibody to label 10e6 cells in 100 µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Mouse spleen dendritic cells.
Specificity:	This antibody recognizes the murine homologue of human CD11c, which is a 150/90kD member of the beta 2 integrin family. In mice, CD11c is primarily expressed by dendritic cells. Clone N418 has been reported to enhance antigen specific responses when used to target dendritic cells *in vivo*.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% BSA Label: Biotin State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for 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 alpha X
Database Link:	Entrez Gene 16411 Mouse Q9QXH4

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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: ITGAX, Integrin alpha-X, Leu M5