

Product datasheet for **AM05514RP-N**

Itgax Hamster Monoclonal Antibody [Clone ID: N418]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N418
Applications:	FC
Recommended Dilution:	Flow Cytometry: 1/10; use 10µl of the suggested working dilution to label 10e6 cells in 100µl; 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 recognises 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 <i>in vivo</i> .
Formulation:	Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin Label: PE State: Lyophilised purified IgG Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Reconstitute with 1.0 ml distilled water
Purification:	Affinity chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	integrin alpha X



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Database Link: [Entrez Gene 16411 Mouse](#)
[Q9QXH4](#)

Background: CD11c (integrin alpha X chain protein) combines with the beta 2 chain (ITGB2) to form a leukocyte specific integrin referred to as inactivated C3b (iC3b) receptor 4 (CR4). The alpha X beta 2 complex seems to overlap the properties of the alpha M beta 2 integrin in the adherence of neutrophils and monocytes to stimulated endothelium cells, and in the phagocytosis of complement coated particles. The CD11c antigen is a marker for hairy cell leukaemia.

Synonyms: ITGAX, Integrin alpha-X, Leu M5