

Product datasheet for **AM05514PU-N**

Itgax Hamster Monoclonal Antibody [Clone ID: N418]

Product data:

Product Type:	Primary Antibodies
Clone Name:	N418
Applications:	FC, IF, IHC, IP
Recommended Dilution:	Immunohistochemistry on Frozen Sections. Immunoprecipitation. Immunofluorescence. Flow Cytometry: 10 µl of 1/25-1/100 diluted antibody to label 10e6 cells in 100 µl.
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 State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store 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: 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