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Product datasheet for SM2003

CD177 Mouse Monoclonal Antibody [Clone ID: MEM-166]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-166
Applications:	FC, IP, WB
Recommended Dilution:	**Western blot** (*Non-reducing conditions*). **Immunoprecipitation.** **Flow Cytometry:** Use 10µl of 1/50-1/100 diluted CD177 antibody to label 10^6 cells in 100µl.
Reactivity:	Human, Monkey, Rhesus Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognizes CD177 (Neutrophil Glycoprotein NB1). Antibodies against NB1 can be involved in neonatal alloimmune neutropenia (NAN). *MEM-166* recognizes CD177 under N*on-Reducing Conditions.*
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
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:	CD177 molecule
Database Link:	Entrez Gene 57126 Human Q8N6Q3

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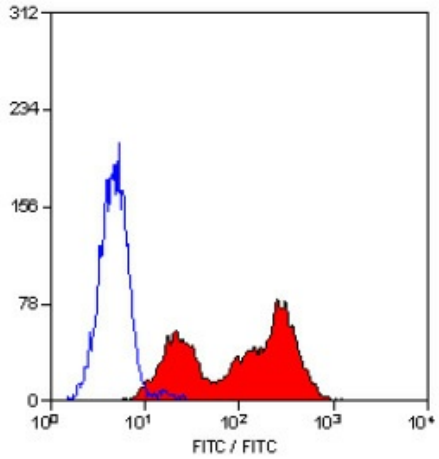
Background: CD177 (NP1), a glycosyl phosphatidylinositol (GPI) linked N glycosylated cell surface glycoprotein, was first described in a case of neonatal alloimmune neutropenia and analyses showed cell surface expression of a 60 kDa protein, 14 kDa greater than the predicted size, probably due to the presence of 3 potential N glycosylation sites. Immunohistochemistry demonstrated expression in bone marrow early erythroblasts, megakaryocytes, promyelocytes, and myelocytes. The neutrophil NB1 antigen (CD177) is expressed by 97% of the caucasian population.

Synonyms: NB1, PRV1, HNA-2a, HNA2a

Product images:



Staining of Human peripheral blood granulocytes with Mouse Anti Human CD177 Antibody (Cat.-No SM2003).