

Product datasheet for **SM2003F**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-166
Applications:	FC
Recommended Dilution:	Flow cytometry (use 10 µl of neat - 1/10 diluted antibody to label 10e6 cells in 100 µl).
Reactivity:	Human, Monkey, Rhesus Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises human CD177 (neutrophil glycoprotein NB1). The neutrophil NB1 antigen is expressed by 97% of the caucasian population. Antibodies against NB1 can be involved in neonatal alloimmune neutropenia (NAN). Antibody reactivity and working conditions may vary between species.
Formulation:	PBS with 0.09% sodium azide as preservative and 1% BSA as stabilizer Label: FITC State: Liquid, purified immunoglobulin fraction Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Protein G affinity chromatography
Conjugation:	FITC
Storage:	Store the antibody at 4°C for one month or at -20°C for longer. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD177 molecule
Database Link:	Entrez Gene 57126 Human Q8N6Q3



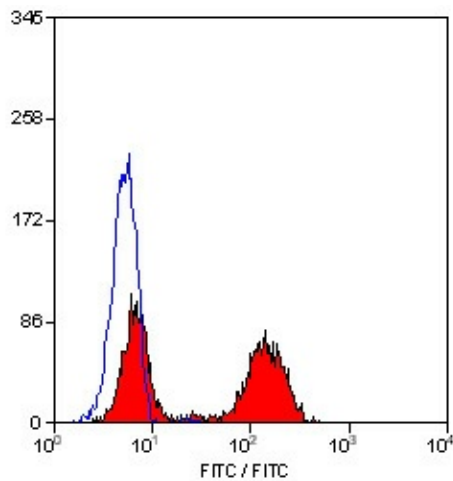
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Background:

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. Antibodies against NB1 can be involved in neonatal alloimmune neutropenia (NAN).

Synonyms:

NB1, PRV1, HNA-2a, HNA2a

Product images:

Staining of human peripheral blood granulocytes with MOUSE ANTI HUMAN CD177:FITC (SM2003F)