

## Product datasheet for **SM2003S**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-166
Applications:	FC, IP, WB
Recommended Dilution:	<b>Western Blot</b> (Non-Reducing Conditions). <b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> 1 µg/ml.
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human Granulocytes
Specificity:	This antibody reacts with CD177 (Neutrophil specific antigen 1), a 60 kDa GPI-linked cell surface glycoprotein of uPAR family, expressed on granulocytes and in bone marrow early erythroblasts, megakaryocytes, promyelocytes and myelocytes.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	CD177 molecule
Database Link:	<a href="#">Entrez Gene 57126 Human Q8N6Q3</a>



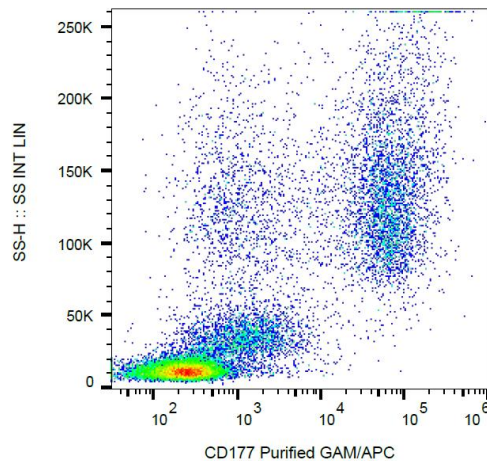
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**Background:**

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:**


Surface staining of human peripheral blood cells with anti-CD177 (MEM-166) purified, GAM-APC.