

Basic Information

Product Name	Anti-Hu CD177 Purified Antibody (Clone#MEM-166)
Gene Name	CD177
Source	Mouse
Isotype	IgG1
Species Reactivity	primate, human
Tested Application	FCM, IP, WB
Contents	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Immunogen	Human granulocytes. The antibody MEM-166 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.
concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Dilution Ratios	Flow cytometry: 1 µg/ml. Western blotting: Non-reducing conditions.

Storage

Store at 2-8°C. Do not freeze.

Background Information

CD177 (NB1/HNA-2a and PRV-1 form) is a GPI-anchored glycoprotein present mainly on neutrophils. Its plasma membrane expression is increased during pregnancy and inflammation or after G-CSF application. Ligand of CD177 has been identified as CD31 (PECAM-1). CD177 participates in neutrophil transmigration and seems to be also a pro-proliferative molecule. The antibodies against CD177 can be involved in neonatal alloimmune neutropenia (NAN).

Selected Validation Data

**Anti-Hu CD177 Purified Antibody
(Clone#MEM-166)**

Catalog Number: M03958

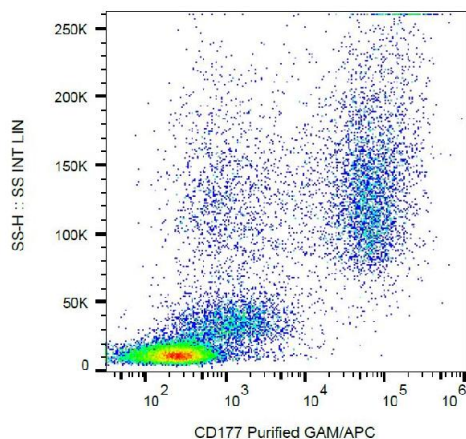


Figure 1. Flow Cytometry validation of CD177 using Anti-Hu CD177 Purified Monoclonal Antibody (M03958).

Flow cytometry (surface staining) of human peripheral blood cells with anti-CD177 (MEM-166) purified