# anti-human CD177 FITC-conjugated

**FITC -** conjugated monoclonal antibody MEM- 166 to human CD177

Cat-No: **21271773** 500 µl

**Clone:** MEM-166

**Specificity:** 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, mega-karyocytes, promyelocytes and myelocytes.
**HLDA VI; WS Code M M17**
**HLDA VI; WS Code BP 309**

**Isotype subclass:** Mouse IgG1

**Form:** The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 1 % BSA and 0.09% sodium azide (pH 7.2)

**Expiration date:** The reagent is stable until the expiry date stated on the vial label

**Storage conditions:** Store at 4 °C. Avoid prolonged exposure to light.

**Application:** The reagent is designed for Flow Cytometry analysis

**References:**

- *Leukocyte Typing VII. and others: Oxford University Press (2002).
- *Stroncek DF and others: J Transl Med. 2004 Mar 29;2(1):8.
- *Mnjoyan Z and others: Haematologica. 2005 Mar;90(3):405-6.
- *Sachs Uj and others: J Biol Chem. 2007 Aug 10;282(32):23603-12.
- *Bauer S and others: J Leukoc Biol. 2007 Feb;81(2):458-64.


**Background: 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 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).

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only.** Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.


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