

APC anti-human CD177

Catalog # / Size: 2179035 / 25 tests
2179040 / 100 tests

Clone: MEM-166

Isotype: Mouse IgG1, κ

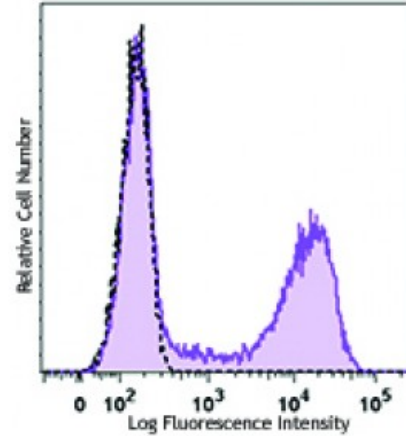
Immunogen: Human granulocytes

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood granulocytes were stained with CD177 (clone MEM-166) APC (filled histogram) or mouse IgG1, κ APC isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation, Western blotting⁵, and immunofluorescence⁴.

- Application References:**
1. Leucocyte Typing VII. Mason D, *et al.* Eds, 2002 Oxford University Press.
 2. von Vietinghoff S, *et al.* 2007. *Blood* 109:4487. [PubMed](#)
 3. Korkmaz B, *et al.* 2008. *J. Biol. Chem.* 283:35976. [PubMed](#)
 4. von Vietinghoff S, *et al.* 2007. *Blood* 109:4487. (IF)
 5. Jankowska AM, *et al.* 2011. *Haematologica.* 96:954. (WB)

Description: CD177 is also known as neutrophil specific antigen 1, NB1, and polycythemia rubra vera 1. It is a member of the uPAR family and is a GPI-linked cell surface glycoprotein with a molecular weight of 60 kD. CD177 is expressed on granulocytes and bone marrow progenitors (early erythroblasts, megakaryocytes). It is thought to be involved in allogeneic and autoimmune responses to neutrophils.

- Antigen References:**
1. Leukocyte Typing VII. Mason D, *et al.* (Eds.) Oxford University Press (2002)
 2. Kissel K, *et al.* 2001. *Eur. J. Immunol.* 31:1301.
 3. Lalezari P, *et al.* 1971. *J. Clin. Invest.* 50:1108.
 4. Teme