SONY

Product Data Sheet

Purified anti-human CD177

Catalog # / Size: 2179010 / 100 µg

Clone: MEM-166

Isotype: Mouse IgG1, κ

Immunogen: Human granulocytes

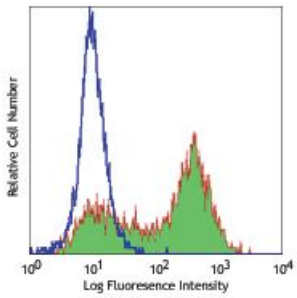
Reactivity: Human, Other

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: HCDM listed

Concentration: 0.5

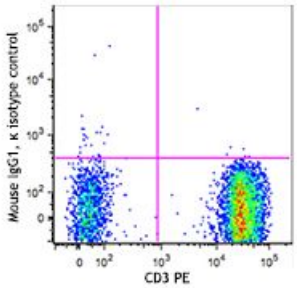


Human peripheral blood granulocytes stained with purified MEM-166, followed by anti-mouse IgG FITC

Applications:

Applications: Flow Cytometry, Other, Immunoprecipitation

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 ≤2.0 µg per million cells in 100 µl volume. 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. Temerinac S, *et al.* 2000. *Blood* 95:2569.

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