

Datasheet

CD177 monoclonal antibody, clone MEM-166 (FITC)

Catalog Number: MAB4365

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD177.

Clone Name: MEM-166

Immunogen: Native purified CD177 from human granulocytes.

Host: Mouse

Theoretical MW (kDa): 60

Reactivity: Human, Non-Human Primates

Applications: Flow Cyt, IP, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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.

Form: Liquid

Conjugation: FITC

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10⁶ cells in a suspension)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4 °C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 57126

Gene Symbol: CD177

Gene Alias: HNA2A, NB1, PRV1

Gene Summary: NB1, a glycosyl-phosphatidylinositol (GPI)-linked N-glycosylated cell surface glycoprotein, was first described in a case of neonatal alloimmune neutropenia (Lalezari et al., 1971 [PubMed 5552408]).[supplied by OMIM]

References:

1. The neutrophil-specific antigen CD177 is a counter-receptor for platelet endothelial cell adhesion molecule-1 (CD31). Sachs UJ, Andrei-Selmer CL, Maniar A, Weiss T, Paddock C, Orlova VV, Choi EY, Newman PJ, Preissner KT, Chavakis T, Santoso S. J Biol Chem. 2007 Aug 10;282(32):23603-12. Epub 2007 Jun 19.
2. Proteinase 3 and CD177 are expressed on the plasma membrane of the same subset of neutrophils. Bauer S, Abdgawad M, Gunnarsson L, Segelmark M, Tapper H, Hellmark T. J Leukoc Biol. 2007 Feb;81(2):458-64. Epub 2006 Oct 31.
3. Expression of polycythemia rubra vera-1 decreases the dependency of cells on growth factors for proliferation. Mnjoyan Z, Li J, Afshar-Kharghan V. Haematologica. 2005 Mar;90(3):405-6.