

Datasheet

PECAM1 monoclonal antibody, clone MEM-05 (FITC)

Catalog Number: MAB5044

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native PECAM1.

Clone Name: MEM-05

Immunogen: Native purified PECAM1 from leukocytes of patient suffering from LGL-type leukaemia.

Host: Mouse

Theoretical MW (kDa): 130-140

Reactivity: Human

Applications: Flow Cyt

(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 CD31 (PECAM-1), a 130-140 KDa type I transmembrane glycoprotein expressed on monocytes, platelets, granulocytes, endothelial cells and stem cells of the myeloid lineage.

Form: Liquid

Conjugation: FITC

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 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: 5175

Gene Symbol: PECAM1

Gene Alias: CD31, PECAM-1

References:

1. PECAM-1-regulated signalling thresholds control tolerance in anergic transgenic B-cells. Wong MX, Hayball JD, Jackson DE. Mol Immunol. 2008 Mar;45(6):1767-81. Epub 2007 Oct 30.
2. PECAM-1: a multi-functional molecule in inflammation and vascular biology. Woodfin A, Voisin MB, Nourshargh S. Arterioscler Thromb Vasc Biol. 2007 Dec;27(12):2514-23. Epub 2007 Sep 13.
3. Induction of hyporesponsiveness and impaired T lymphocyte activation by the CD31 receptor:ligand pathway in T cells. Prager E, Staffler G, Majdic O, Saemann M, Godar S, Zlabinger G, Stockinger H. J Immunol. 2001 Feb 15;166(4):2364-71.