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Datasheet

Cd9 monoclonal antibody, clone EM-04 (PE)

Catalog Number: MAB5121

Regulation Status: For research use only (RUO)

Product Description: Rat monoclonal antibody raised against native Cd9.

Clone Name: EM-04

Immunogen: Native purified Cd9 from permeabilized mouse bone marrow-derived mast cells (BMMC).

Host: Rat

Theoretical MW (kDa): 24

Reactivity: Mouse

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 recognizes CD9 antigen, a 24 KDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.

Form: Liquid

Conjugation: PE

Concentration: 0.1 mg/mL

Isotype: IgG1

Recommend Usage: Flow Cytometry (6 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 15 mM 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: 12527

Gene Symbol: Cd9

Gene Alias: Tspan29

References:

1. Functional relevance of tetraspanin CD9 in vascular smooth muscle cell injury phenotypes: a novel target for the prevention of neointimal hyperplasia. Kotha J, Zhang C, Longhurst CM, Lu Y, Jacobs J, Cheng Y, Jennings LK. Atherosclerosis. 2009 Apr;203(2):377-86. Epub 2008 Aug 8.
2. The tetraspanin CD9 mediates lateral association of MHC class II molecules on the dendritic cell surface. Unternaehrer JJ, Chow A, Pypaert M, Inaba K, Mellman I. Proc Natl Acad Sci U S A. 2007 Jan 2;104(1):234-9. Epub 2006 Dec 26.
3. Tetraspanin CD9 regulates invasion during mouse embryo implantation. Liu WM, Cao YJ, Yang YJ, Li J, Hu Z, Duan EK. J Mol Endocrinol. 2006 Feb;36(1):121-30.