

Cd9 monoclonal antibody, clone EM-04 (PE)

Catalog # MAB5121

Size 100 ug

Specification

Product Description	Rat monoclonal antibody raised against native Cd9.
Immunogen	Native purified Cd9 from permeabilized mouse bone marrow-derived mast cells (BMMC).
Host	Rat
Theoretical MW (kDa)	24
Reactivity	Mouse
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, 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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — Cd9

Entrez GeneID	12527
Gene Name	Cd9
Gene Alias	Tspan29
Gene Description	CD9 antigen
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000025977

Publication Reference

- [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 2008 Aug; 203(2):377.

- [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.

PNAS 2006 Dec; 104(1):234.

- [Tetraspanin CD9 regulates invasion during mouse embryo implantation.](#)

Liu WM, Cao YJ, Yang YJ, Li J, Hu Z, Duan EK.

Journal of Molecular Endocrinology 2006 Feb; 36(1):121.

Application: Func, IF, Mouse, Mouse blastocysts, Mouse embryos