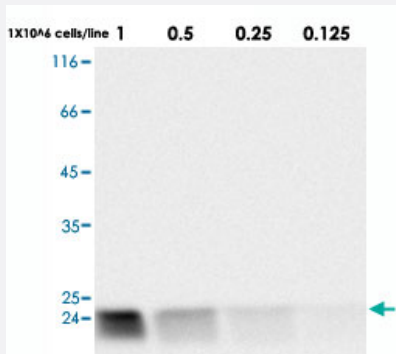


Cd9 monoclonal antibody, clone EM-04

Catalog # MAB6462 Size 100 ug

Applications



Western Blot (Cell lysate)

Detection of Cd9 in bone marrow-derived mast cell (BMMC) lysates by Cd9 monoclonal antibody, clone EM-04 (Cat # MAB6462).

Specification

Product Description	Rat monoclonal antibody raised against native Cd9.
Immunogen	Native purified Cd9 from permeabilized murine bone marrow-derived mast cells (BMMC).
Host	Rat
Theoretical MW (kDa)	24
Reactivity	Mouse
Specificity	This antibody EM-04 recognizes Cd9 antigen, a 24 KDa transmembrane protein expressed on platelets, monocytes, pre-B lymphocytes, granulocytes and activated T lymphocytes.
Form	Liquid
Purification	Protein-G affinity chromatography.
Isotype	IgG1

Recommend Usage	Flow Cytometry (4 ug/mL) Immunocytochemistry Immunoprecipitation Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. 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

- Western Blot (Cell lysate)

Detection of Cd9 in bone marrow-derived mast cell (BMMC) lysates by Cd9 monoclonal antibody, clone EM-04 (Cat # MAB6462).

- Immunocytochemistry

- Immunoprecipitation

- 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