

Product datasheet for **AM26344FC-N**

Pecam1 Rat Monoclonal Antibody [Clone ID: MEC7.46]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEC7.46
Applications:	FC, IF, IHC, IP
Recommended Dilution:	Immunohistochemistry on Frozen Sections (Ref.1,3): Tissue sections were fixed in acetone for 10 min at RT and pretreated with 0.01% Hydrogen Peroxide to quench endogenous peroxidases. Normal Rabbit serum was used as blocking agent. As (Ref.1). The typical starting working dilution is 1/50. Flow Cytometry: Stains the extracellular domain of Mouse PECAM-1. 10 ⁶ cells were used per sample. No fixation or permeabilization needed. Epitope is sensitive to trypsin! (Ref.1). The typical starting working dilution is 1/50. Immunofluorescence (Ref.1,2). Immunoprecipitation: Lysate of ³⁵ S-Methionine labeled 5HV cells was used. Molecule of ~130 kDa (Ref.1). Positive Control: Mouse t.end.1 cells. Negative Control: L929 cells (Fibroblasts).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mouse t.end.1 cells (polyoma middle T (PmT)-transformed EC)
Specificity:	The monoclonal antibody <i>MEC7.46</i> recognizes the mouse form of the platelet-endothelial cell adhesion molecule (PECAM)-1 (CD31). The reactivity of the monoclonal antibody <i>MEC7.46</i> is restricted to the isoform of the molecule that is selectively expressed by endothelial cells. The antibody precipitates a 130 kDa molecule present on the membrane of endothelial cells of all mouse blood vessels both in normal, inflamed and tumor tissues. The antigen is predominantly present at the lateral borders of endothelial cells as described for Human PECAM-1. Staining of <i>MEC7.46</i> can be seen on capillaries, veins, arteries and liver sinusoids.



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Formulation:	PBS Label: FITC State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	platelet/endothelial cell adhesion molecule 1
Database Link:	Entrez Gene 18613 Mouse Q08481
Background:	PECAM-1 is a member of the immunoglobulin superfamily. This heavily glycosylated protein is found in the entire vascular endothelium of adult mice and functions in mediating cellular adhesion by heterophilic and homophilic mechanisms. PECAM-1 is detected within the lymphopoietic islands in the spleen of newborn (day 12) and in the bone marrow of adult mice. Capillary endothelial cells of adult mice also express PECAM-1.
Synonyms:	PECAM-1, EndoCAM, GPIIA'