

## Product datasheet for **AM26344BT-N**

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

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	MEC7.46
<b>Applications:</b>	IF, IHC, IP
<b>Recommended Dilution:</b>	Immunohistochemistry on frozen sections (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 (1): Stains the extracellular domain of mouse PECAM-1; 10 <sup>6</sup> 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 (1,2). Immunoprecipitation (1): Lysate of 35S-Methionine labeled 5HV cells was used. Molecule of ~130 kDa. Positive control: Mouse t.end.1 cells. Negative control: L929 cells (Fibroblasts).
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Rat
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Mouse t.end.1 cells (polyoma middle T (PmT)-transformed EC)
<b>Specificity:</b>	The monoclonal antibody MEC7.46 recognizes the mouse form of the platelet-endothelial cell adhesion molecule (PECAM)-1 (CD31). The reactivity of the monoclonal antibody MEC7.46 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 MEC7.46 can be seen on capillaries, veins, arteries and liver sinusoids.



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<b>Formulation:</b>	PBS Label: Biotin State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein G
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at 2 - 8 °C.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	platelet/endothelial cell adhesion molecule 1
<b>Database Link:</b>	<a href="#">Entrez Gene 18613 Mouse Q08481</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	PECAM-1, EndoCAM, GPIIA'