

PECAM-1, CD31, Clone MEC7.46 Monoclonal Antibody

Catalog No.: MON1149

Quantity: 1 ml

Specificity

The antibody reacts with the murine form of the Platelet-Endothelial Cell Adhesion Molecule. The reactivity of the antibody 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 cell presents on all mouse blood vessels both in normal and inflamed or tumor tissues. The antigen is predominantly present at the lateral borders of endothelial cells as described for human PECAM-1.

Immunoglobulin type

Rat IgG1

Use

The antibody is useful for studies on murine endothelium both *in vitro* and *in vivo* studies. Minimal reactivity is seen on spleen and bone marrow megakaryocytes. The antibody can be used for staining of cells in suspensions for cytofluorometric studies and for staining of frozen tissue sections.

Presentation

1 ml (100 µg/ml) purified Ig in PBS, containing 0.02% sodium azide and 0.1% BSA.

Literature

- A general strategy for isolation of endothelial cells from murine tissues. Characterization of two endothelial cell lines from the murine lung and subcutaneous sponge implants. Dong et al., *Arterioscler Thromb Vasc Biol* 1997, 17(8), 1599-1604.

Also available as conjugate:

Cat.no. MON1149B, Biotin labeled

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