

CD34, clone MEC 14.7 Monoclonal Antibody

Catalog No.: MON1159

Quantity: 1 ml

Specificity

The antibody reacts with Mouse CD34, a protein present on endothelial cells and hematopoietic progenitor cells. The antibody recognizes a neuraminidase sensitive epitope on endothelium *in vivo*, particularly on small vessels and neoformed capillaries and developing vascular structures in embryonal structures. Furthermore, the antibody reacts with hematopoietic progenitors particularly of myelomonocytic colony forming cells.

Immunoglobulin type

Rat IgG_{2a}

Use

The antibody is a useful reagent for identification and characterization of capillary endothelial cells. Furthermore, the antibody can be used for isolation and characterization of hematopoietic progenitor cells. In summary, the antibody can be used for ELISA, immunofluorescence, immunohistochemistry on frozen and paraffin sections, western blot, immunoprecipitation, flow cytometry and cell separation.

Presentation

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

Literature

Characterization of MEC 14.7, a new monoclonal antibody recognizing mouse CD34, a useful reagent for identifying and characterizing blood vessels and hematopoietic precursors. Garlanda et al., Eur. J. of Cell Biology **73**, 368-377, 1997.

Also available as Biotin conjugate:

PRESENTATION: 0.5 ml (100 µg/ml) purified biotinylated Ig in PBS containing 0.02% sodium azide and 0.1% BSA. Do not freeze biotinylated antibodies.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.



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