

CD34 (Clone ZM109) Mouse Monoclonal Antibody

Specificity: Human. Does not react with cow, dog, pig, and rat. Others not known

Immunogen: Recombinant full-length human HPCA1 protein

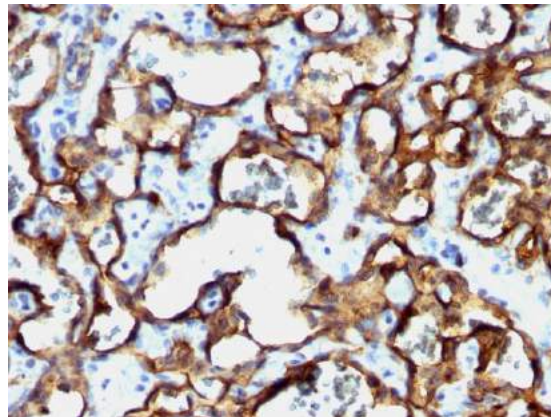
Ig Class: IgG1/ κ

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100 - 200. *Positive Control:* Hemangioma. *Cellular Localization:* Cell membrane/cytoplasmic. *Intended Use:* In Vitro Diagnosis (IVD).

Description: This antibody recognizes a carbohydrate epitope on a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34 (VI international workshop on human differentiation antigens). Its expression is a hallmark for identifying pluripotent hematopoietic stem or progenitor cells. Its expression is gradually lost as lineage committed progenitors differentiate. CD34 is a marker of choice for staining blasts in acute myeloid leukemia. In addition, it is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. CD34 expression is also found in vascular endothelium. Additionally, proliferating endothelial cells overexpress this molecule than the non-proliferating endothelial cells. Anti-CD34 labels > 85% of angiosarcoma and Kaposi's sarcoma, but shows low specificity.

Supplied As: Tissue culture supernatant with 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human angiosarcoma stained with anti-CD34 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of tumor cells

Cat. #Z2419 (1.0 ml)

ZETA Corporation
65 N 1st Ave, Ste 202C
Arcadia, CA 91006, USA
Tel: (626) 355-2053
<http://www.zeta-corp.com>



Zeta Corporation



Emergo Europe B.V.
Prinsessegracht 20
2514 AP The Hague
The Netherlands
Tel: +31 70 345 8570