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## 36-3592: Anti-CD34 (Hematopoietic Stem Cell & Endothelial Marker) Polyclonal Antibody

Clonality: Polyclonal

Clone Name: N/A

**Application**: FACS,IF,WB,IHC **Reactivity**: Human, Rat

 Gene :
 CD34

 Gene ID :
 947

 Uniprot ID :
 P28906

Alternative Name: Hematopoietic Progenitor Cell Antigen, HPCA1, Mucosialin

**Isotype:** Rabbit IgG

Immunogen Information: Recombinant full-length human HPCA1 protein

## **Description**

This antibody recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. 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.

## **Product Info**

**Amount**: 20 μg / 100 μg

Content: 200 μg/ml of Ab Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.

Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition:

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is

stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

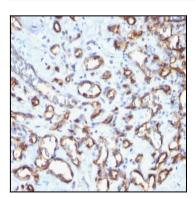


Fig. 1: Formalin-fixed, paraffin-embedded human Angiosarcoma stained with CD34 Rabbit Polyclonal Antibody.