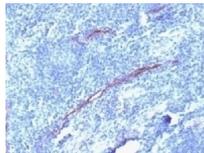




# Recombinant CD34 Antibody [HPCA1/1806R]

Cat. No.: 33-821



Recombinant CD34 Antibody [HPCA1/1806R]

## Ψ Specifications

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human, Rat
<b>IMMUNOGEN:</b>	Recombinant full-length human protein was used as the immunogen for the recombinant CD34 antibody.
<b>TESTED APPLICATIONS:</b>	Flow, IF, IHC-P, WB
<b>APPLICATIONS:</b>	<p>Flow Cytometry: 0.5-1 ug/million cells in 0.1ml</p> <p>Immunofluorescence: 2-4 ug/ml</p> <p>Western blot: 0.5-1 ug/ml</p> <p>Immunohistochemistry (FFPE): 2-4 ug/ml for 30 min at RT</p> <p>Prediluted IHC only format: incubate for 30 min at RT (1)</p> <p>Optimal dilution of the recombinant CD34 antibody should be determined by the researcher.</p> <p>1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.</p>

## Ψ Properties

<b>PURIFICATION:</b>	Protein A affinity chromatography
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG, k
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
<b>CONCENTRATION:</b>	0.2 mg/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and Store at 2-8 °C. Avoid freeze-thaw cycles.

## Additional Info

<b>OFFICIAL SYMBOL:</b>	CD34
<b>ALTERNATE NAMES:</b>	Hematopoietic progenitor cell antigen CD34, CD34, CD34
<b>GENE ID:</b>	947
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher

## Background and References

<b>BACKGROUND:</b>	<p>This antibody recognizes a 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 &gt; 85% of angiosarcoma and Kaposi s sarcoma, but shows low specificity.</p>
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