

## Product Datasheet

# Recombinant CD34 Antibody / Rabbit Monoclonal (orb2640352)

<b>Catalog Number</b>	orb2640352
<b>Category</b>	Antibodies
<b>Description</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>
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Rat
<b>Buffer/Preservatives</b>	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Recombinant full-length human protein was used as the immunogen for the recombinant CD34 antibody.
<b>UniProt ID</b>	<b>P28906</b>

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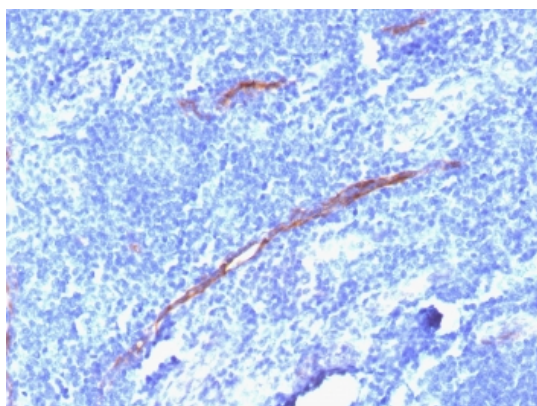
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<b>Tested applications</b>	FACS, IHC-P
<b>Dilution range</b>	Flow cytometry: 0.5-1ug/10 <sup>6</sup> cells, Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT
<b>Application notes</b>	Optimal dilution of the recombinant CD34 antibody should be determined by the researcher.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.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	HPCA1/1806R
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC testing of FFPE human tonsil with recombinant CD34 antibody (clone HPCA1/1806R). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH9, for 10-20 min followed by cooling at RT for 20 min.

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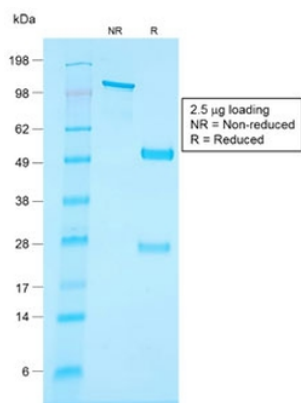
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SDS-PAGE analysis of purified, BSA-free recombinant CD34 antibody (clone HPCA1/1806R) as confirmation of integrity and purity.

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