

Product Datasheet

Recombinant CD34 Antibody / Rabbit Monoclonal (orb750085)

Catalog Number	orb750085
Category	Antibodies
Description	<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 > 85% of angiosarcoma and Kaposi s sarcoma, but shows low specificity.</p>
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human, Rat
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein A affinity chromatography
Immunogen	Recombinant full-length human protein was used as the immunogen for the recombinant CD34 antibody.
UniProt ID	P28906

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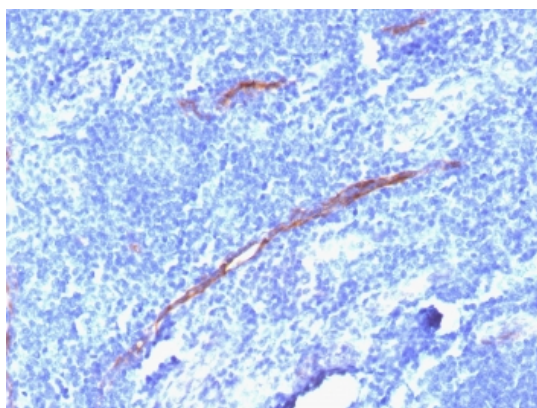
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Tested applications	FACS, IHC-P
Dilution range	Flow cytometry: 0.5-1ug/10 ⁶ cells, Immunohistochemistry (FFPE): 2-4ug/ml for 30 min at RT
Application notes	Optimal dilution of the recombinant CD34 antibody should be determined by the researcher.1. 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.
Antibody Type	Primary Antibody
Clone Number	HPCA1/1806R
Storage	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.
Note	For research use only
Expiration Date	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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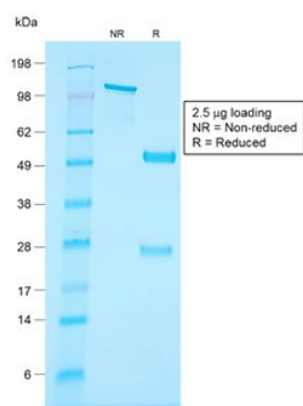
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SDS-PAGE analysis of purified, BSA-free recombinant CD34 antibody (clone HPCA1/1806R) as confirmation of integrity and purity.

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