

Anti-CD34 Antibody [HPCA1/1171] (A250681)

Specifications:

Name:	Anti-CD34 Antibody [HPCA1/1171]
Description:	Mouse monoclonal [HPCA1/1171] antibody to CD34.
Specificity:	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 sarcoma, but shows low specificity.
Applications:	Flow Cytometry, IF, WB, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human, Rat
Immunogen:	Recombinant full-length human HPCA1 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	HPCA1/1171
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Specifications continued:

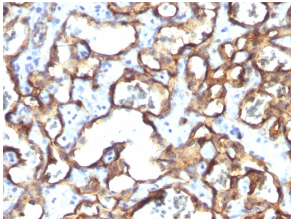
General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD34 Antibody [HPCA1/1171] - BSA and Azide free (A253861).

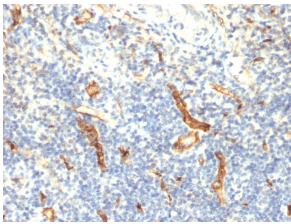
Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

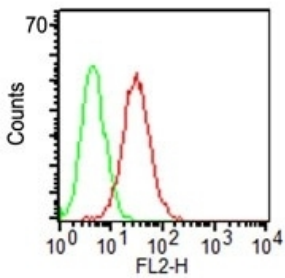
Images:



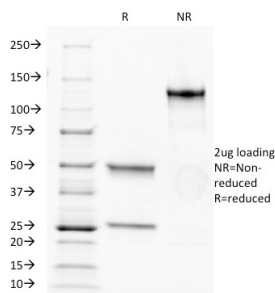
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human angiosarcoma using Anti-CD34 Antibody [HPCA1/1171].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil using Anti-CD34 Antibody [HPCA1/1171].



Flow cytometric analysis of KG-1 cells labeling CD34 with Anti-CD34 Antibody [HPCA1/1171] (Red). Isotype Control (Green).



SDS-PAGE analysis of Anti-CD34 Antibody [HPCA1/1171] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.