

## Recombinant CD34 (Hematopoietic Stem Cell & Endothelial Marker) Antibody

Rabbit Monoclonal Antibody [Clone HPCA1/2598R]

Catalog No	Format	Size
947-RBM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
947-RBM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
947-RBM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

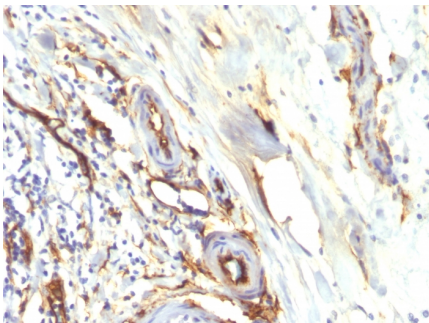
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

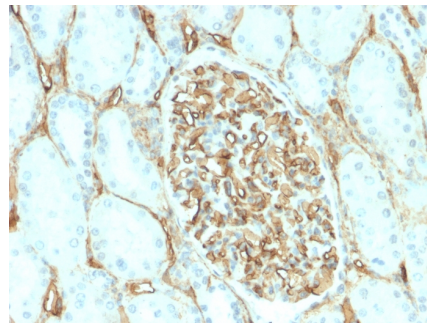
<b>Clone</b>	HPCA1/2598R
<b>Gene Name</b>	CD34
<b>Immunogen</b>	Recombinant full-length human HPCA1 protein
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	90-110kDa
<b>Cellular Localization</b>	Membrane
<b>Species Reactivity</b>	Human, Rat
<b>Positive Control</b>	Jurkat, KG-1 cells. Tonsil or Angiosarcoma, Human Testis

\*Optimal dilution for a specific application should be determined.

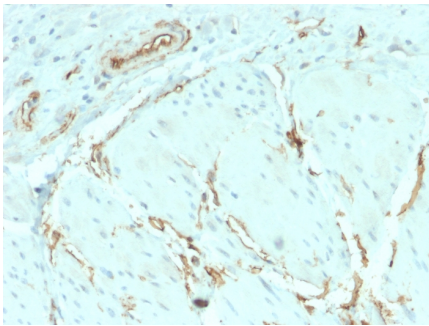
### Product Images for Recombinant CD34 (Hematopoietic Stem Cell & Endothelial Marker) Antibody



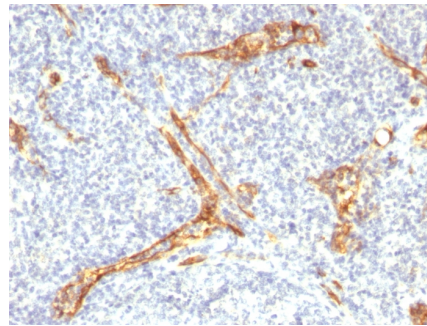
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R).



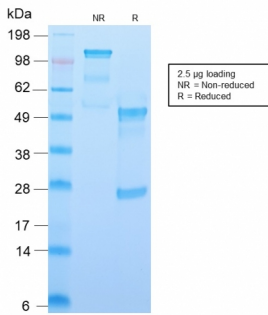
Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R).



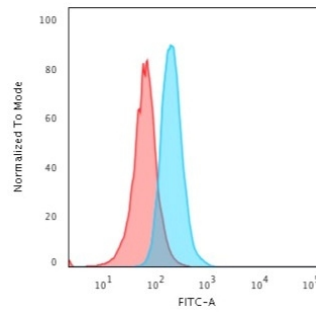
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R).



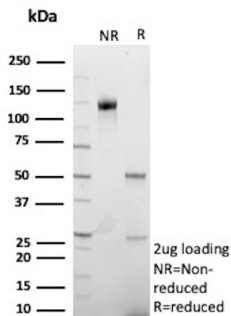
Formalin-fixed, paraffin-embedded human Tonsil stained with CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R).



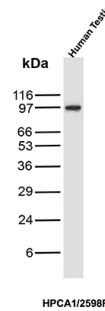
SDS-PAGE Analysis Purified CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R). Confirmation of Integrity and Purity of Antibody.



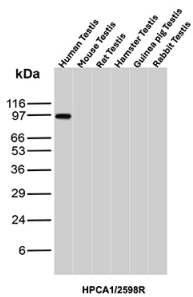
Flow Cytometric Analysis of human Jurkat cells using CD34 CD34 Recombinant Rabbit MAb (HPCA1/2598R) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



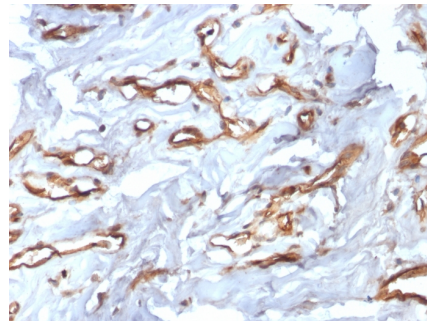
SDS-PAGE Analysis Purified CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R). Confirmation of Integrity and Purity of Antibody.



Western Blot Analysis of Human Testis tissue lysate using CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R).



Western blot analysis of Human Testis, Mouse Testis, Rat Testis, Hamster Testis, Guinea pig Testis and Rabbit Testis tissue lysate using CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R).



Formalin-fixed, paraffin-embedded human Angiosarcoma stained with CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/2598R).

**Specificity & Comments**

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.

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**Limitations and Warranty**

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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**Supplied As**

200ug/ml of recombinant MAb Purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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**Storage and Stability**

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. No MSDS required.

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**Research Areas**

Endothelial Cell Marker, Hematopoietic Stem Cells, Hypoxia, Immunology, Mesenchymal Stem Cell Differentiation

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