

Recombinant CD34 (Hematopoietic Stem Cell & Endothelial Marker) Antibody

Rabbit Monoclonal Antibody [Clone MSVA-034R]

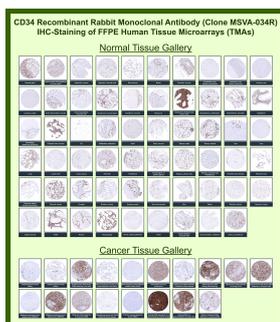
Catalog No	Format	Size
947-RBM34-P0	Purified Ab with BSA and Azide	20 ug
947-RBM34-P1	Purified Ab with BSA and Azide	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details	
Clone	MSVA-034R
Immunogen	Recombinant full-length human HPCA1 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	90-110kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Liver: A moderate to strong, predominantly membranous staining of endothelial cells should be seen in portal vessels and periportal sinusoidal endothelial cells. Endothelial cells located more remotely from the portal field show a rapidly decreasing CD34 expression level.

*Optimal dilution for a specific application should be determined.

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



Hematopoietic progenitor cell antigen CD34 Rabbit Recombinant Monoclonal Antibody (MSVA-034R) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

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.

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.

Supplied As

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

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.

Research Areas

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