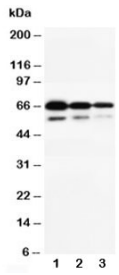
CD34 Antibody (R30399)

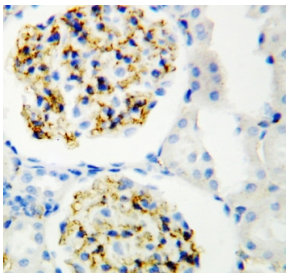
Catalog No.	Formulation	Size
R30399	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

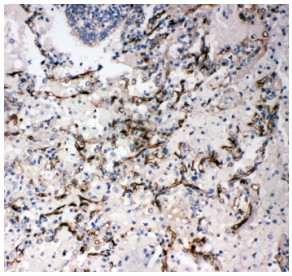
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% thimerosal and 0.005% sodium azide
UniProt	P28906
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml IHC (Frozen): 0.5-1ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This CD34 antibody is available for research use only.



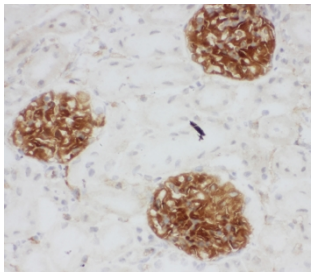
Western blot testing of CD34 antibody and Lane 1: Recombinant human CD34 protein 10ng; 2: 5ng; 3: 2.5ng



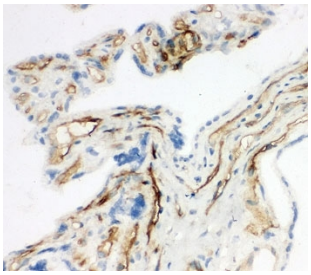
IHC-P: CD34 antibody testing of rat kidney



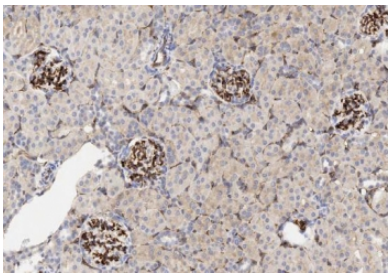
IHC-P: CD34 antibody testing of human lung cancer



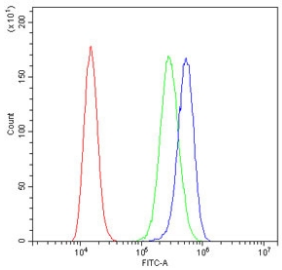
IHC-F testing of rat kidney



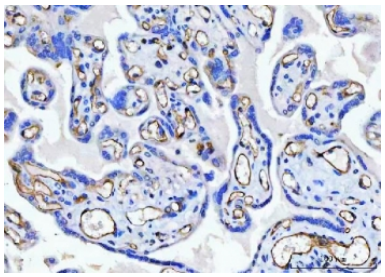
IHC-F testing of CD34 antibody and rat placenta



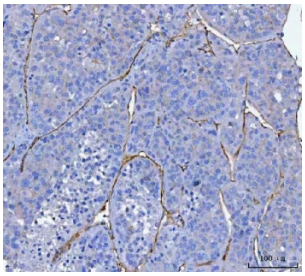
IHC-P: CD34 antibody testing of rat kidney



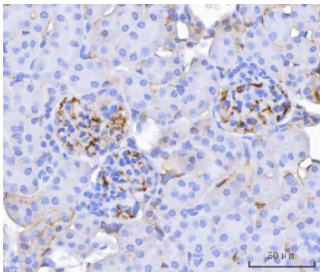
Flow cytometry testing of human A431 cells with CD34 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD34 antibody.



IHC-P: CD34 antibody testing of human placental tissue with CD34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC-P: CD34 antibody testing of human liver cancer tissue with CD34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC-P: CD34 antibody testing of mouse kidney tissue with CD34 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 KD.CD34 is expressed in humans in hematopoietic stem cells, vascular endothelium, and blasts from 30% of patients with acute myeloid and lymphocytic leukemia. The human CD34 gene spans 26 kb and has 8 exons, a structure quite similar to that of the murine gene. By Southern blot analysis of DNA from a panel of human x mouse somatic cell hybrids using a CD34 cDNA probe demonstrate that the gene for CD34 is located on human chromosome 1 in the 1q12----qter region. CD34 plays an important role in the formation of progenitor cells during both embryonic and adult hematopoiesis.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD34 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human CD34 (QATSRNGHSARQHVVAD) was used as the immunogen for this CD34 antibody (100% homologous human, mouse and rat).

Storage

After reconstitution, the CD34 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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