



CD34 Mouse Monoclonal Antibody

E10-20126

Background: CD34 is a transmembrane glycoprotein with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells, endothelial cells and some fibroblasts. It could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. CD34 is highly expressed on hematopoietic progenitors, as well as on endothelial cells. CD34 has been used to measure angiogenesis, which reportedly predicts tumor recurrence.

Catalog Number: E10-20126

Amount: 100µg/100µl

Clone Number: 4H5E7, 9B10D4

Species: Mouse IgG

Aliases: CD34

Entrez Gene: 947

Immunogen: Purified recombinant fragment of CD34 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC, IF,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000 ,IHC.1/200 - 1/1000,IF1/200 - 1/1000,ELISA. Propose dilution 1/10000.

KDa 1 2

207
119
98

57
37
29

20
7

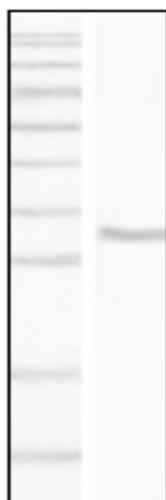


Figure 1. Western blot analysis using CD34 mouse mAb against truncated CD34 recombinant protein.

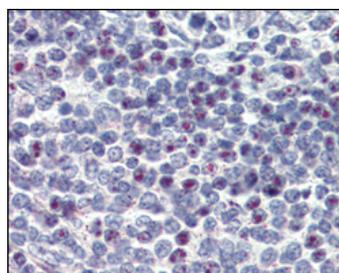


Figure2: Immunohistochemical analysis of paraffin-embedded human spleen using CD34 mouse mAb with DAB staining.

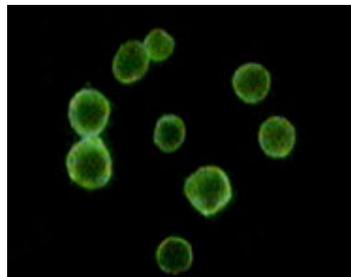


Figure 3. Immunofluorescence analysis of peripheral blood cells using CD34 mouse mAb.

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