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19-10001: Purified anti-CD34 Antibody (Clone: QBEnd/10)

Clonality :	Monoclonal
Clone Name :	QBEnd/10
Application :	IHC
Reactivity :	Human
Gene :	CD34
Gene ID :	947
Format :	Purified
Alternative Name :	Hematopoietic progenitor cell antigen CD34, CD34 antigen
Isotype :	Mouse IgG1, κ
Immunogen Information :	This antibody was generated using a vesicular suspension of a perfusate of human term placenta

Description

CD34, also known as gp105-120, is a type I monomeric sialomucin-like glycophosphoprotein with an approximate molecular weight of 105-120 kD. Selectively expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nervous tissue, CD34 is a commonly used marker to identify human hematopoietic stem/progenitor cells. According to the differential sensitivity to enzymatic cleavage, four groups of epitopes of CD34 have been described. CD34 mediates cell adhesion and lymphocytes homing through binding to L-selectin and E-selectin ligands.

Product Info

Amount :	50ul
Purification :	The antibody was purified by affinity chromatography.
Content :	Concentration: 1.0 mg/ml Formulation: Phosphate-buffered solution with BSA + 0.09% NaN3.
Storage condition :	Store between 2°C and 8°C.

Application Note

This antibody is effective in immunohistochemistry (IHC).

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For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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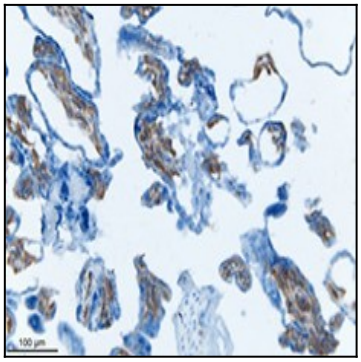


Figure 1: Robust cytoplasmic and membrane staining of endothelial cells in frozen human placenta with antibody CD34.

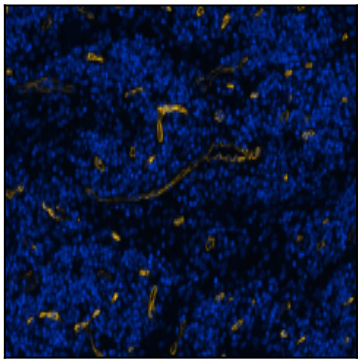


Figure 2: SeqIF™ (sequential immunofluorescence) staining on COMET™ of Purified anti-CD34 (clone QBEnd/10, yellow) on formalin-fixed paraffin-embedded human pancreatic carcinoma tissue at 1.25 µg/mL. Alexa Fluor™ Plus 647 Goat anti-Mouse IgG antibody was used as a secondary antibody. Nuclei were counterstained with DAPI (blue). Tissue underwent an all-in-one dewaxing and antigen retrieval preprocessing.

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