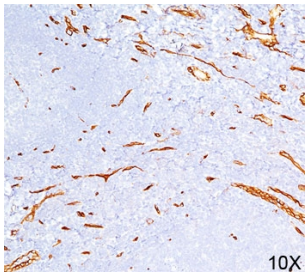
CD34 Antibody / Extracellular region [clone QBEnd/10] (V2067)

Catalog No.	Formulation	Size
V2067-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2067-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2067SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2067IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

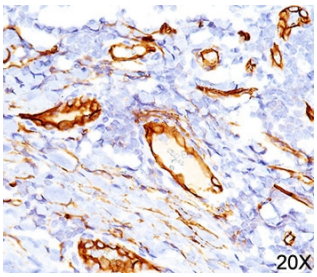
Citations (9)

Bulk quote request

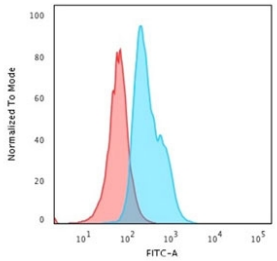
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, lambda
Clone Name	QBEnd/10
Purity	Protein G purified antibody
Buffer	1X PBS, pH 7.4
Gene ID	947
Localization	Cell surface
Applications	Flow Cytometry : 0.5-1ug/10^6 cells Immunofluorescence : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **CD34 antibody** is available for research use only.



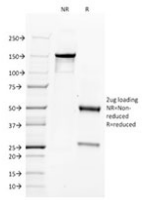
IHC testing of human tonsil (10X) stained with CD34 antibody (QBEnd/10).



IHC testing of human tonsil (20X) stained with CD34 antibody (QBEnd/10).



Flow cytometry staining of human Jukat cells with CD34 antibody (clone QBEnd/10); Red=isotype control, Blue= CD34 antibody.



SDS-PAGE analysis of purified, BSA-free CD34 antibody (clone QBEnd/10) as confirmation of integrity and purity.

Description

CD34 antibody clone QBEnd/10 is a monoclonal antibody specific for CD34, a cell surface glycoprotein expressed on hematopoietic stem and progenitor cells, vascular endothelial cells, and certain fibroblasts. CD34 functions in cell adhesion and migration and is essential for hematopoietic stem cell maintenance and vascular biology. Because of its broad role in stem cell and vascular research, CD34 is one of the most widely studied markers in biology and medicine. NSJ Bioreagents provides CD34 antibody clone QBEnd/10 for dependable detection of this important marker in oncology, vascular, and stem cell studies.

The antibody produces strong membranous staining in bone marrow precursors and vascular endothelial cells. In stem cell research, clone QBEnd/10 has been used to identify hematopoietic progenitors and to support stem cell isolation and characterization. It remains an essential reagent for studies of hematopoiesis and regenerative medicine.

In vascular biology, CD34 antibody clone QBEnd/10 labels endothelial cells and highlights blood vessel architecture, supporting studies of angiogenesis, cardiovascular disease, and tissue repair. Its ability to reliably detect endothelial cells has made it a standard marker in pathology and research.

In oncology, CD34 antibody clone QBEnd/10 is widely applied to assess tumor angiogenesis. By labeling blood vessels within tumors, this antibody provides insight into vascularization, which influences tumor growth and therapeutic response. It has also been used to identify vascular tumors and to differentiate them from other malignancies.

Validated across tissue-based and cell-based assays, the antibody consistently produces strong staining with minimal background. Alternate names include hematopoietic progenitor marker antibody, vascular endothelial marker antibody, and stem cell marker CD34 antibody.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD34 antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
3. The QBEnd/10 monoclonal antibody is a class II CD34 antibody that binds to the extracellular portion of the protein.

Immunogen

A detergent solubilized vesicular suspension prepared from human term placenta was used as the immunogen for this CD34 antibody.

Storage

Store the CD34 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)