



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### CD34 monoclonal antibody, clone QBEnd-10 (PE)

**Catalog Number:** MAB6483

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against native CD34.

**Clone Name:** QBEnd-10

**Immunogen:** Native purified CD34 from human endothelial vesicles.

**Host:** Mouse

**Theoretical MW (kDa):** 110-115

**Reactivity:** Human, Non-Human Primates

**Applications:** Flow Cyt

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody reacts with Class II epitope on CD34 (Mucosialin), a 110-115 KDa monomeric transmembrane phosphoglycoprotein expressed on hematopoietic progenitor cells and on the most pluripotential stem cells; it is gradually lost on progenitor cells. This antibody has been also used as an endothelial marker.

**Form:** Liquid

**Conjugation:** PE

**Preparation Method:** The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

**Isotype:** IgG1

**Recommend Usage:** Flow Cytometry (The reagent is designed for analysis of human blood cells using 20 uL

reagent/100 uL of whole blood or  $10^6$  cells in a suspension. The content of a vial (2 mL) is sufficient for 100 tests.)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (15 mM sodium azide).

**Storage Instruction:** Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 947

**Gene Symbol:** CD34

**Gene Alias:** -

**Gene Summary:** CD34 is a monomeric cell surface antigen with a molecular mass of approximately 110 kD that is selectively expressed on human hematopoietic progenitor cells.[supplied by OMIM]

#### References:

1. Simian immunodeficiency virus infection and flow cytometric characterization of Japanese macaque (*Macaca fuscata*) hematopoietic cells. Tsukamoto T, Nakamura K, Okada S. *J Med Primatol.* 2020 Apr;49(2):116-120. doi: 10.1111/jmp.12460. Epub 2020 Jan 6.
2. Streamlined production of genetically modified T cells with activation, transduction and expansion in closed-system G-Rex bioreactors. Gagliardi C, Khalil M, Foster AE. *Cytotherapy.* 2019 Dec;21(12):1246-1257. doi: 10.1016/j.jcyt.2019.10.006.
3. Onset of Appearance and Potential Significance of Telocytes in the Developing Fetal Lung. Awad M, Gaber W, Ibrahim D. *Microsc Microanal.* 2019 Oct;25(5):1246-1256. doi: 10.1017/S1431927619014922.