

## 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

**Isotype:** IgG1

**Recommend Usage:** The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% BSA, 0.09% 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. Certain anti-CD34 monoclonal antibodies induce homotypic adhesion of leukemic cell lines in a CD18-dependent and a CD18-independent way. Traore Y, Hirn J. Eur J Immunol. 1994 Oct;24(10):2304-11.
2. QBEND/10 (anti-CD34 antibody) in external root sheath cells and follicular tumors. Poblet E, Jimenez-Acosta F, Rocamora A. J Cutan Pathol. 1994 Jun;21(3):224-8.
3. Rapid positive selection of CD34+ cells using magnetic microspheres coated with monoclonal antibody QBEND/10 linked via a cleavable disulphide bond. Grimsley PG, Amos TA, Gordon MY, Greaves MF. Leukemia. 1993 Jun;7(6):898-908.