

## CD 34 (Clone QBEnd/10)

### Specification:

CD34 monoclonal antibody recognizes a cell surface antigen of approximately 110Kd that is expressed selectively on human hematopoietic progenitor cells, including myeloid and lymphoid lineage progenitors, and a significant portion of acute leukemia. In addition to this stem cell recognition, this marker is expressed by vascular endothelium. Additionally, it appears that proliferating endothelial cells express this molecule in greater amounts than non-proliferating endothelial cells.

### Availability:

Catalog No.	Contents	Volume
ILM 1343 C1	CD34	1,0 ml
ILM 1343 C05	CD34	0,5 ml
ILM 1343 C01	CD34	0,1 ml

**Intended use:** For research use only

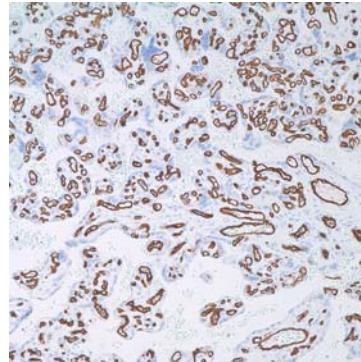
**Clone:** QBEnd/10

**Species of origin:** Mouse

**Isotype:** IgG1

**Controle Tissue:** Appendix, planceta, tonsil

**Staining:** Membranous



### Presentation:

Anti-CD34 is a mouse monoclonal antibody from supernatant diluted in phosphate buffered saline, pH 7.4, with protein base, and preserved with sodium azide.

### Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer , pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:50-1:200)
- Immunohistochemical staining of formaline-fixed, paraffin embedded tissue section (dilution up to 1:50-1:200)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilute the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody based detection is recommended

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

### References:

- 1) Civin, CL, et al., London Academic Press 1989:818-825
- 2) Fina, L et al., Blood 1990;75:2417-2426
- 3) Sankey, EA et al., J Pathol 1990;43:752-757
- 4) Ramani, P, et al., Histopathology 1990;17:237-242
- 5) Aziza, J, et al., Am J Clin Pathol 199;96:25-31
- 6) Torlakovic G et al. Arch Pathol Lab Med. 2002 Jul;126(7):823-8
- 7) Salizzoni M et al. Transplantation 2003 Sep 15;76(5):844-8
- 8) Fanburg-Smith JC et al. Mod Pathol. 2003 Mar;16(3):263-71