

## Anti-Human CD34 Purified

Catalog Number :06421-20

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** 581

**Format/Conjugate:** Purified

**Concentration:** 0.5 mg/mL

**Reactivity:** Human

**Laser:** Not Applicable

**Peak Emission:** Not Applicable

**Peak Excitation:** Not Applicable

**Filter:** Not Applicable

**Brightness (1=dim,5=brightest):** Not Applicable

**Isotype:** Mouse IgG1, kappa

**Formulation:** Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

**Storage:** Product should be kept at 2-8°C.

**Applications:** FC, IHC

### Description

The 581 monoclonal antibody specifically reacts with the Class III epitope of CD34, a heavily O-glycosylated transmembrane glycoprotein. CD34 is reported to be involved in signal transduction and cell adhesion. It is expressed on hematopoietic progenitors, pluripotent stem cells fibroblasts and tumor cells.

### Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

### References

- 1.Zola, H. (2007).;Leukocyte and stromal cell molecules: The CD markers. John Wiley Sons.
2. Egeland, T., Tjønnfjord, G., Steen, R., Gaudernack, G., Thorsby, E. (1993, February). Positive selection of bone marrow-derived CD34 positive cells for possible stem cell transplantation. In;Transplantation proceedings;(Vol. 25, No. 1 Pt 2, pp. 1261-1263).
3. Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.