

Anti-Human CD34 FITC

Catalog Number :06421-50

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

Product Information

Clone: 581

Format/Conjugate: FITC

Concentration: 5uL(0.5ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

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 and protected from prolonged exposure to light.

Applications: FC

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 and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

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.