

Anti-Human CD34 PE

Catalogue Number : 06411-60

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

Product Information

Clone: 4H11

Format/Conjugate: PE

Concentration: 5 uL (0.5 ug)/test

Reactivity: Human

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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

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 4H11 monoclonal antibody specifically reacts with the Class III epitope of CD34 (mucosialin), a transmembrane phosphoglycoprotein. It is expressed on most hematopoietic progenitors, pluripotent stem cells 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. Elknerová, K., Lacinová, Z., Soucek, J., Marinov, I., ; Stockbauer, P. (2007). Growth inhibitory effect of the antibody to hematopoietic stem cell antigen CD34 in leukemic cell lines.;NEOPLASMA-BRATISLAVA-;54(4), 311.
2. Singh, V. K., Tsuji, K., Sharma, P. B., ; Chandra, R. MULTIDIMENSIONAL ROLE OF CD34 PROTEIN IN HEMATOPOIETIC STEM CELL BIOLOGY.
3. Krause, D. S., Fackler, M. J., Civin, C. I., ; May, W. S. (1996). CD34: structure, biology, and clinical utility.;Blood;87(1), 1-13.