biogems
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Technical Data Sheet

Anti-Human CD10 APC

Catalog Number :02211-80

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

Product Information

Clone: CB-CALLA

Format/Conjugate: APC

Concentration: 5 uL (0.125 ug)/test

Reactivity: Human

Laser: Red (635 -655nm)

Peak Emission: 660nm

Peak Excitation: 650nm

Filter: 660/20

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

Isotype: Mouse IgG2b, 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 CB-CALLA monoclonal antibody specifically reacts with human CD10, a 100kDA type II glycoprotein also known as common acute lymphoblastic leukemia antigen (CALLA), enkephalinase, and neprilysin. CD10 is expressed on neutrophils and the precursors of B and T cells. It is involved in the neutrophil inflammatory and chemotactic responses and B cell development.

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.Schlossman, S. F. (1995).;Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.

2. Ritz, J., Pesando, J. M., Notis-McConarty, J., Lazarus, H., Schlossman, S. F. (1980). A monoclonal antibody to human acute lymphoblastic leukaemia antigen.

3. McCormack, R. T., Nelson, R. D., LeBien, T. W. (1986). Structure/function studies of the common acute lymphoblastic leukemia antigen (CALLA/CD10) expressed on human neutrophils.;The Journal of Immunology,;137(3), 1075-1082.