![biogems logo](Creating Value for Life Science Research)

Anti-Human CD45RO Biotin

Catalogue Number : 07141-30

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

Product Information

Clone: UCHL1

Format/Conjugate: Biotin

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 IgG2a, 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 UCHL1 monoclonal antibody specifically reacts with human CD45RO, a 180 kDa isoform of the leukocyte common antigen CD45. CD45RO is a transmembrane glycoprotein with tyrosine phosphatase activity and is expressed by majority of thymocytes, monocytes, granulocytes, and activated memory T lymphocytes. The subsets of peripheral T lymphocytes can be discriminated by using the CD45RO and CD45RA expressing 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. For flow cytometric staining, the suggested use of this reagent is ≤0.125 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1.Knapp W;(1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.

2. Akbar, A. N., Terry, L., Timms, A., Beverley, P. C., ; Janossy, G. (1988). Loss of CD45R and gain of UCHL1 reactivity is a feature of primed T cells.;The Journal of Immunology,;140(7), 2171-2178.

3. Smith, S. H., Brown, M. H., Rowe, D., Callard, R. E., ; Beverley, P. C. (1986). Functional subsets of human helper-inducer cells defined by a new monoclonal antibody, UCHL1.;Immunology,;58(1), 63.