

Anti-Human CD5 PerCP-Cyanine5.5

Catalogue Number : 09111-70

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

Product Information

Clone: UCHT2

Format/Conjugate: PerCP-Cyanine5.5

Concentration: 5 uL (0.25 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 695nm

Peak Excitation: 482nm

Filter: 695/40

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 UCHT2 monoclonal antibody specifically reacts with human CD5, a 67 kda type 1 transmembrane glycoprotein. CD5 is expressed on mature T cells, a subset of B cells, and peripheral blood dendritic cells. B cells that are CD5+ produce mostly IgM polyreactive antibodies. Its ligand is CD72, which is involved in T, B cell proliferation and interaction.

The UCT2 antibody also recognizes non-human primate CD5.

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. McMichael, A. J. (1987).; Leucocyte typing III: white cell differentiation antigens. Oxford University Press, USA.
2. Lankester, A. C., van Schijndel, G. M., Cordell, J. L., van Noesel, C. J., van Lier, R. A. (1994). CD5 is associated with the human B cell antigen receptor complex.; European journal of immunology.; 24(4), 812-816.
3. Kap, Y. S., van Meurs, M., van Driel, N., Koopman, G., Melief, M. J., Brok, H. P., ... A't Hart, B. (2009). A monoclonal antibody selection for immunohistochemical examination of lymphoid tissues from non-human primates.; Journal of Histochemistry Cytochemistry.; 57(12), 1159-1167.