

Anti-Human CD27 PE-Cyanine7

Catalog Number :09311-77

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

Product Information

Clone: O323

Format/Conjugate: PE-Cyanine7

Concentration: 5 uL (0.25 ug)/test

Reactivity: Human

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

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

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 O323 monoclonal antibody specifically binds to the human CD27, which is a lymphocyte-specific member of the TNF/NGF-R family, expressed on a subset of human thymocytes and the majority of the mature T cells. CD27 is upregulated by T lymphocytes stimulation, and binds to CD70, enhancing the interaction between T and B lymphocytes.

CD27 is a marker of memory B 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. Knapp W; (1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.
2. Correia, D. V., Fogli, M., Hudspeth, K., da Silva, M. G., Mavilio, D., Silva-Santos, B. (2011). Differentiation of human peripheral blood Vβ1+ T cells expressing the natural cytotoxicity receptor NKp30 for recognition of lymphoid leukemia cells.; Blood.; 118(4), 992-1001.