

Anti-Human CD278 (ICOS) PE-Cyanine7

Catalog Number :30811-77

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

Product Information

Clone: ISA-3

Format/Conjugate: PE-Cyanine7

Concentration: 5 uL (0.125 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 ISA-3 monoclonal antibody specifically reacts with human CD278 or Inducible COStimulatory molecule (ICOS), a 47-60 kDA homodimeric glycoprotein also known as H4, AILIM, and CRP-1. It is expressed on activated T cells and a group of thymocytes and is involved in the proliferation, activation, and cytokine production of T cells. When plate-bound, the ISA-3 antibody induces the production of IL-4,5,10 in T 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. Hutloff, A., Dittrich, A. M., Beier, K. C., Eljaschewitsch, B., Kraft, R., Anagnostopoulos, I., Kroczek, R. A. (1999). ICOS is an inducible T-cell co-stimulator structurally and functionally related to CD28.; *Nature*.; 402, 21-24.
2. Quiroga, M. F., Pasquinelli, V., Martínez, G. J., Jurado, J. O., Zorrilla, L. C., Musella, R. M., ... García, V. E. (2006). Inducible costimulator: a modulator of IFN-γ production in human tuberculosis.; *The Journal of Immunology*.; 176(10), 5965-5974.
3. Buonfiglio, D., Bragardo, M., Redoglia, V., Vaschetto, R., Bottarel, F., Bonisconi, S., ... Dianzani, U. (2000). The T cell activation molecule H4 and the CD28-like molecule ICOS are identical.; *European journal of immunology*; 30(12), 3463-3467.