



## CD278 Antibody [ISA-3] (PE)

CATALOG NUMBER: 76-968

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	FACS
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	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.
<b>HOST SPECIES:</b>	Mouse

### Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.
<b>CONCENTRATION:</b>	5 uL (0.03 ug) / test
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Mouse IgG1, kappa
<b>CONJUGATE:</b>	PE

### Additional Info

<b>ALTERNATE NAMES:</b>	AILIM, CD278, CVID1, ICOS
<b>OFFICIAL SYMBOL:</b>	ICOS
<b>GENE ID:</b>	29851

### Background

<b>BACKGROUND:</b>	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.
<b>REFERENCES:</b>	<p>1) Hutloff, A., Dittrich, A. M., Beier, K. C., Eljaschewitsch, B., Kraft, R., Anagnostopoulos, I., Kroczeck, R. A. (1999). ICOS is an inducible T-cell co-stimulator structurally and functionally related to CD28. <i>Nature</i>, 402, 21-24.</p> <p>2) Quiroga, M. F., Pasquinelli, V., Martnez, G. J., Jurado, J. O., Zorrilla, L. C., Musella, R. M., ... Garca, V. E. (2006). Inducible costimulator: a modulator of IFN- gamma production in human tuberculosis. <i>The Journal of Immunology</i>, 176(10), 5965-5974.</p> <p>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. <i>European journal of immunology</i>, 30(12), 3463-3467.</p>

