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ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

CD278 Antibody [ISA-3] (PE)

CATALOG NUMBER: 76-967

Specifications

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

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.
CONCENTRATION:	5 uL (0.03 ug) / test
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C and should be protected from prolonged exposure to light. Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Mouse IgG1, kappa
CONJUGATE:	PE

Additional Info

ALTERNATE NAMES:	AILIM, CD278, CVID1, ICOS
OFFICIAL SYMBOL:	ICOS
GENE ID:	29851

Background

BACKGROUND:	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.
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., Martnez, G. J., Jurado, J. O., Zorrilla, L. C., Musella, R. M., ... Garca, V. E. (2006). Inducible costimulator: a modulator of IFN- gammaproduction in human tuberculosis.The Journal of Immunology,176(10), 5965-5974.
	3) Buonfiglio, D., Bragardo, M., Redoglia, V., Vaschetto, R., Bottarel, F., Bonissoni, 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.

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December 13, 2016