

## iF488 Anti-human/mouse/rat CD278 (ICOS) Antibody

<b>Catalog Number:</b>	111205, 111206
<b>Size:</b>	25 tests, 100 tests
<b>Target Name:</b>	CD278, ICOS, Inducible Costimulatory molecule
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Clone:</b>	C398.4A
<b>Application:</b>	Flow Cytometry
<b>Reactivity:</b>	Human, mouse, rat
<b>Format:</b>	iF488
<b>Isotype:</b>	Armenian Hamster IgG
<b>Antibody Type:</b>	Monoclonal
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA
<b>Protein Concentration:</b>	Supplied at a lot-specific concentration.
<b>Storage&amp;Handling:</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
<b>Recommended Usage:</b>	For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. iF488 has an excitation max at 491 nm and an emission max at 516 nm.
<b>Excitation Laser:</b>	Blue Laser (488 nm)
<b>Isotype Control:</b>	300507

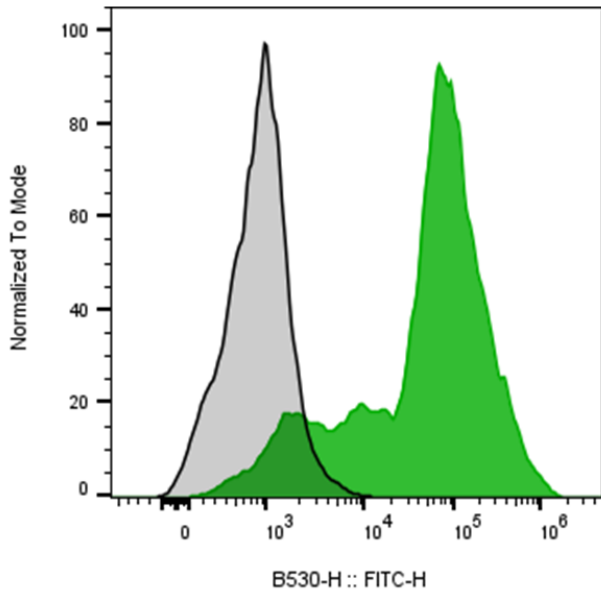
### BACKGROUND INFORMATION

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ICOS is a 47-57 kDa costimulatory molecule homologous to CD28/CTLA-4 and is expressed on activated T cells and a subset of thymocytes. Engagement of ICOS enhances T cell proliferation, promotes cytokine production such as IL-4 and IL-10, and plays an important role in humoral immunity and Th2 cell differentiation.

PRODUCT DATA

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Human peripheral blood lymphocytes stimulated with plate-coated anti-Human CD3 and CD28 for three days were stained with iF488 Anti-Human/Mouse/Rat ICOS clone C398.4A (color-filled histogram) or an isotype control (gray histogram).

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