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

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| **Catalog Number:** | 111205, 111206 |
| **Size:** | 25 ug, 100 ug |
| **Target Name:** | CD278, ICOS, Inducible Costimulatory molecule |
| **Regulatory Status:** | RUO |

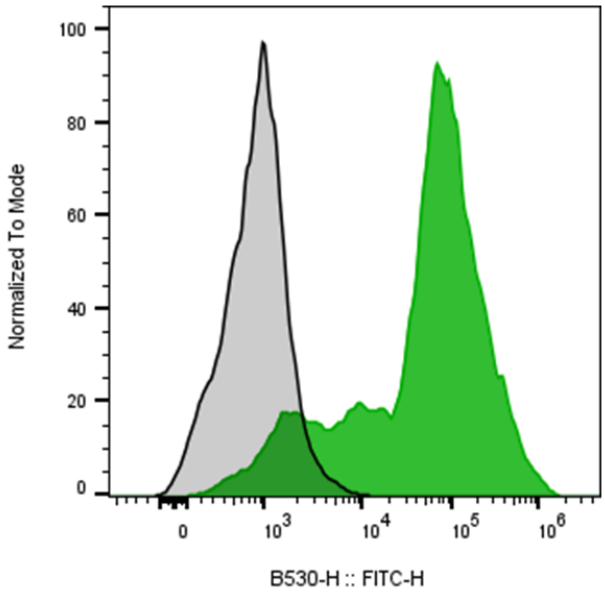
## PRODUCT DETAILS

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| **Clone:** | C398.4A |
| **Application:** | Flow Cytometry |
| **Reactivity:** | Human, mouse, rat |
| **Format:** | iF488 |
| **Isotype:** | Armenian Hamster IgG |
| **Antibody Type:** | Monoclonal |
| **Formulation:** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA |
| **Protein Concentration:** | Supplied at a lot-specific concentration. |
| **Storage&Handling:** | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze. |
| **Excitation Laser:** | Blue Laser (488 nm) |
| **Isotype Control:** | 300507 |
| **Recommended usage:** | For flow cytometric staining, it is recommended to use less than 0.5 µg 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. |

## BACKGROUND INFORMATION

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




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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