

Technical Data Sheet

iF647 Anti-human/mouse/rat CD278 (ICOS)

Catalog Number: 111303, 111304

Size: 25 tests, 100 tests

Target Name: CD278, ICOS, Inducible Costimulatory molecule

Regulatory Status: RUO

Product Details

Clone: C398.4A-Rec

Application: FC

Reactivity: Human, mouse, rat

Format: iF647

Isotype: Mouse IgG1

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.

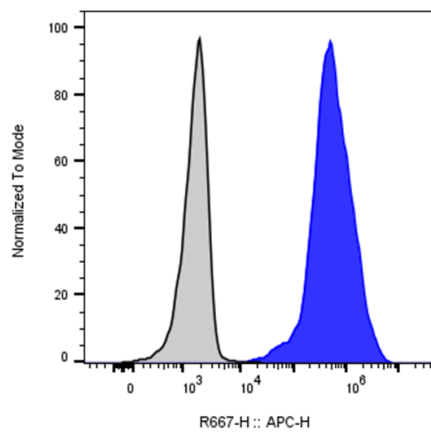
Recommended Usage: For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Red Laser (633 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 3 days was stained with iF647 Anti-Human/Mouse/Rat ICOS clone C398.4A-Rec (color-filled histogram) or an isotype control (gray histogram). Cells were treated with Fc block prior to the antibody staining.