

Technical Data Sheet

Anti-human/mouse/rat CD278 (ICOS)

Catalog Number: 111301, 111302

Size: 25 ug, 100 ug

Target Name: CD278, ICOS, Inducible Costimulatory molecule

Regulatory Status: RUO

Product Details

Clone: C398.4A-Rec

Application: FC

Reactivity: Human, mouse, rat

Format: Purified

Isotype: Mouse IgG1

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Protein Concentration: 0.5 mg/mL

Storage&Handling: The antibody solution should be stored between 2°C and 8°C

Recommended Usage: For flow cytometric staining, it is recommended to use less than 0.2 ug 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.

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.