

Technical Data Sheet

iF647 Anti-Human CD53

Catalog Number: 110004, 110005

Size: 25 tests, 100 tests

Target Name: CD53, OX44

Regulatory Status: RUO

Product Details

Clone: HI29

Application: FC

Reactivity: Human

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.

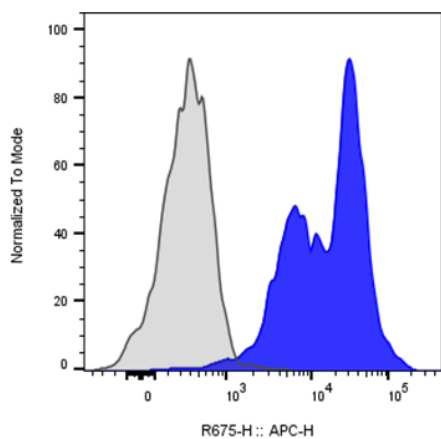
Recommended Usage: For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Red Laser (633 nm)

Background Information

CD53 is a 35–42 kDa type III transmembrane glycoprotein and a member of the tetraspanin family. Highly glycosylated, its apparent molecular weight decreases by ~25 kDa upon endoglycosidase F treatment. CD53 acts as a membrane organizer, forming complexes with other surface proteins to regulate signal transduction, immune cell activation, migration, and survival.

Product Data



Human peripheral blood lymphocytes stained either iF647 Anti-Human CD53 clone HI29 (color-filled histogram) or an isotype control (gray histogram).