



InnoCyto Inc.

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Technical Data Sheet

Anti-Human CD53

Catalog Number: 110001
Size: 100 ug
Target Name: CD53, OX44
Regulatory Status: RUO

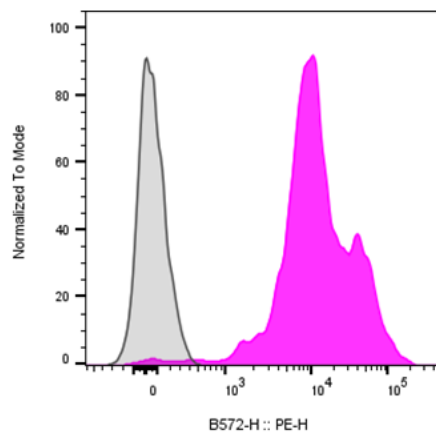
Product Details

Clone: HI29
Application: FC
Reactivity: Human
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 0.25 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

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 purified Anti-Human CD53 clone HI29 (color-filled histogram) or an isotype control (gray histogram), followed by PE anti-mouse IgG.