

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 μ L 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.