

Technical Data Sheet

Anti-Mouse/Human CD44

Catalog Number: 202101, 202102

Size: 100 ug, 500 ug

Target Name: CD44, Epican, Extracellular matrix receptor III (ECMR-III), Phagocytic glycoprotein 1 (PGP-1)

Regulatory Status: RUO

Product Details

Clone: IM7

Application: FC

Reactivity: Human, Mouse

Format: Purified

Isotype: Rab IgG2b

Antibody Type: Monoclonal

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

Protein Concentration: 0.5 mg/mL

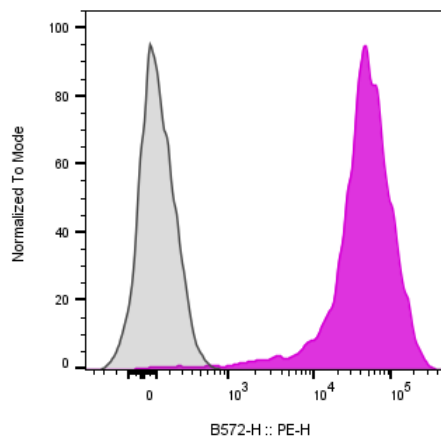
Storage&Handling: The antibody solution should be stored between 2°C and 8°C

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

CD44 is an 80–100 kDa type I transmembrane glycoprotein and a member of the cell adhesion molecule family. It acts as a receptor for hyaluronic acid (HA) and mediates cell-cell interactions, adhesion, migration, and signal transduction. CD44 exists in multiple isoforms generated through alternative splicing, which contributes to its functional diversity.

Product Data



Mouse splenocytes stained with either purified Anti-Mouse/Human CD44 clone IM7 (color-filled histogram) or an isotype control (gray histogram), followed by secondary PE anti-rat IgG.