

Technical Data Sheet

FITC Anti-Mouse/Human CD44

Catalog Number: 202107, 202108

Size: 25 tests, 100 tests

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: Mouse

Format: FITC

Isotype: Rat IgG2b

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.

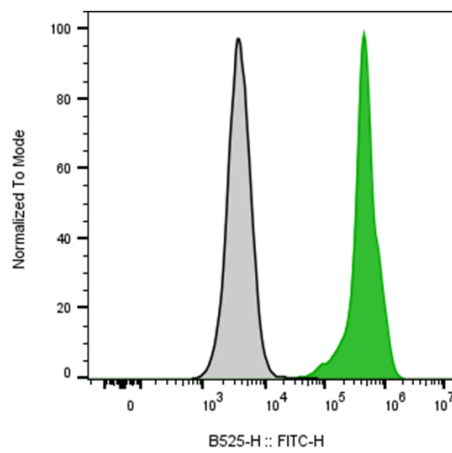
Recommended Usage: For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.

Excitation Laser: Blue Laser (488 nm)

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



Human peripheral blood lymphocytes stained with either FITC Anti-Mouse/Human CD44 Clone IM7 (color-filled histogram) or an isotype control (gray histogram).