

Technical Data Sheet

Anti-Mouse CD45

Catalog Number: 202201, 202202
Size: 100 ug, 500 ug
Target Name: CD45, Ly-5, LCA, T200
Regulatory Status: RUO

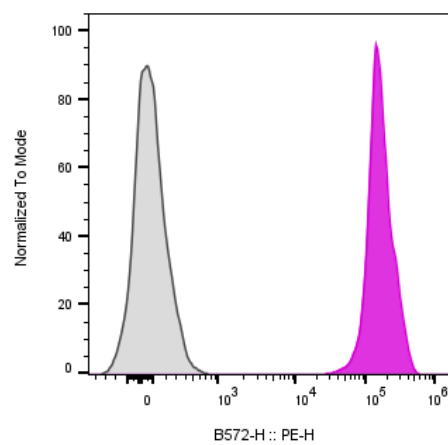
Product Details

Clone: 30-F11
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

CD45 is a receptor-type protein tyrosine phosphatase expressed on the plasma membrane of all nucleated hematopoietic cells, excluding erythrocytes and platelets. It is a critical signaling molecule regulating immune cell activation, growth, differentiation, cell cycle, and oncogenic transformation. CD45 constitutes a large proportion of lymphocyte surface proteins (~10%) and is essential for T- and B-cell receptor-mediated activation.

Product Data



Mouse splenocytes stained with either purified Anti-mouse CD45 clone 30-F11 (color-filled histogram) or an isotype control (gray histogram), followed by secondary PE anti-rat IgG.