

Technical Data Sheet

Biotin Anti-Human CD45

Catalog Number: 106511, 106512

Size: 25 ug, 100 ug

Target Name: CD45, LCA, T200

Regulatory Status: RUO

Product Details

Clone: HI30

Application: FC

Reactivity: Human

Format: Biotin

Isotype: Mouse IgG1

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA

Protein Concentration: 0.2 mg/mL

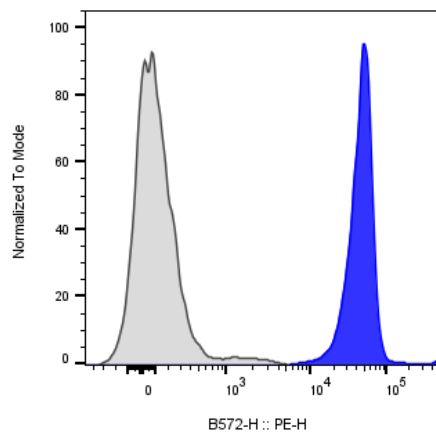
Storage and Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

Recommended Usage: For flow cytometric staining, it is recommended to use less than 0.1 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

The CD45 antigen (CD stands for cluster of differentiation) is a protein which was originally called leukocyte common antigen. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. CD45 is a 180-240 kD single chain type I membrane glycoprotein also known as leukocyte common antigen (LCA) and T200. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation.

Product Data



Human peripheral blood lymphocytes stained with biotinylated anti-human CD45 clone HI30 (blue histogram) or an isotype control (gray histogram), followed by SA-PE.