

Technical Data Sheet

iF647 Anti-Human CD19

Catalog Number: 101203, 101204
Size: 25 tests, 100 tests
Target Name: CD19, B4, CVID3, MGC12802
Regulatory Status: RUO

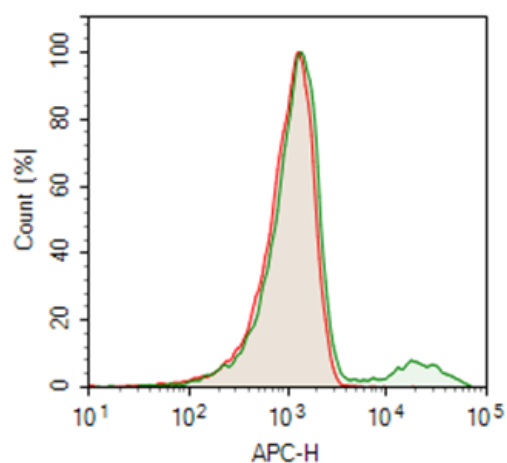
Product Details

Clone: 019AM2b
Application: FC
Reactivity: Human
Format: iF647
Isotype: Mouse 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 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 5 μ L 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.
Excitation Laser: Red Laser (633 nm)

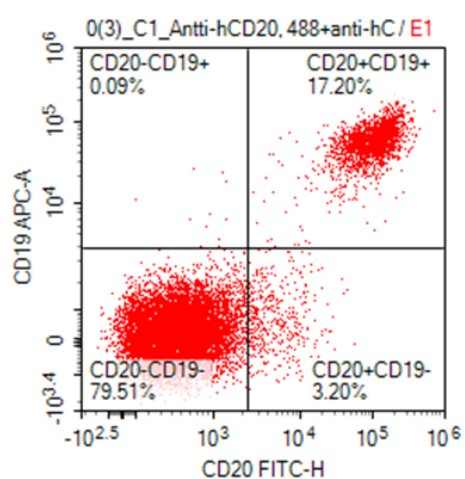
Background Information

CD19 is expressed in all B lineage cells. CD19 is a 95 kd Type I transmembrane glycoprotein in the immunoglobulin superfamily (IgSF) with two extracellular C2-set Ig-like domains and a relatively large. CD19 plays two major roles in human B cells: on the one hand, it acts as an adaptor protein to recruit cytoplasmic signaling proteins to the membrane; on the other, it works within the CD19/CD21 complex to decrease the threshold for B cell receptor signaling pathways. Due to its presence on all B cells, it is a biomarker for B lymphocyte development, lymphoma diagnosis and can be utilized as a target for leukemia immunotherapies.

Product Data



Human peripheral blood lymphocytes stained with iF647 anti-human CD19 clone 019AM2b or iF647 mouse IgG2b isotype control.



Human peripheral blood lymphocytes stained with iF488 anti-human CD20 clone 020AR1 and iF647 anti-human CD19 clone 019AM2b