

Technical Data Sheet

iF647 Anti-Human CD20

Catalog Number: 101305, 101306

Size: 25 tests, 100 tests

Target Name: CD20, MS4A-1

Regulatory Status: RUO

Product Details

Clone: 020AR1

Application: FC

Reactivity: Human

Format: iF647

Isotype: Rat IgG1

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 uL 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.

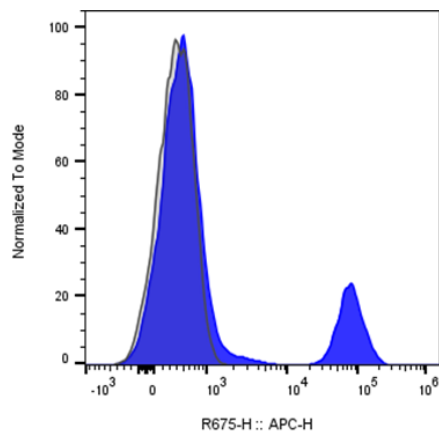
Excitation Laser: Red Laser (633 nm)

Release Date: Dec-25

Background Information

B-lymphocyte antigen CD20 or CD20 is expressed on the surface of all B-cells beginning at the pro-B phase (CD45R+, CD117+) and progressively increasing in concentration until maturity. expressed in B-cell lymphomas, hairy cell leukemia, and B-cell chronic lymphocytic leukemia. The protein has no known natural ligand[9] and its function is to enable optimal B-cell immune response, specifically against T-independent antigens.[10] It is suspected that it acts as a calcium channel in the cell membrane. CD20 has been linked to the signaling propensity of B-cell receptor (BCR).

Product Data



Human peripheral blood lymphocytes was stained with iF647 Anti-Human CD20 clone 020AR1 (color-filled) or an isotype control (gray histogram).