www.innocyto.com

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

iF488 Anti-Human CD20 Antibody

Catalog Number:	101303, 101304
Size:	25 tests, 100 tests
Target Name:	CD20, MS4A-1
Regulatory Status:	RUO

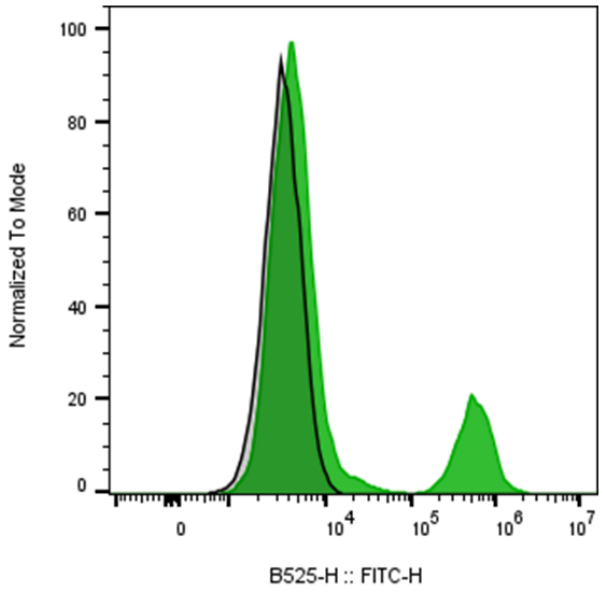
PRODUCT DETAILS

Clone:	020AR1
Application:	Flow Cytometry
Reactivity:	Human
Format:	iF488
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 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 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:	Blue Laser (488 nm)
Isotype Control:	300102
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.
RRID:	AB_3738608
GeneID:	931

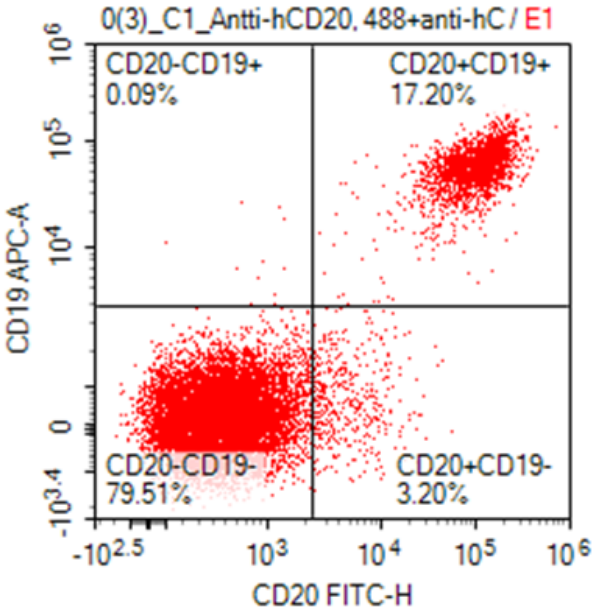
BACKGROUND INFORMATION

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 were stained with iF488 Anti-Human CD20 clone 020AR1 (color-filled histogram) or an isotype control (gray histogram).



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

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