

Spark PLUS UV395™ anti-human CD20 Antibody

Catalog# / Size	375539 / 25 tests
Clone	S18015E
Regulatory Status	RUO
Other Names	B1, Bp35
Isotype	Mouse IgG2a, κ
Description	CD20 (also known as B1 and Bp35) is a four transmembrane spanning protein measuring 33-37 kD. Expressed on pre-B cells, resting and activated B cells (not plasma cells), some follicular dendritic cells, and at low levels on a T cell subset. Involved in B-cell activation and is associated with a variety of Src family kinases.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Human CD20 transfectant
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with Spark PLUS UV395™ under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
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.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * Spark PLUS UV395™ has a maximum excitation of 355 nm and a maximum emission of 385 nm.
Excitation Laser	Ultraviolet Laser (355 nm)
RRID	AB_3717228 (BioLegend Cat. No. 375539)

Antigen Details

Structure	Four transmembrane protein (TM4SF), heavily phosphorylated after activation, 33-37 kD
Distribution	B cell, T cell subsets
Function	B cell activation
Interaction	The CD20 molecule is involved in B-cell activation and is associated with various Src family kinases (Lyn, Lck, Fyn).

Ligand/Receptor	Src family tyrosine kinases, MHC class I, II, CD53, CD81, CD82
Cell Type	B cells, T cells
Biology Area	Costimulatory Molecules, Immunology
Molecular Family	CD Molecules
Antigen References	1. Hultin LE, <i>et al.</i> 1993. <i>Cytometry</i> 14:196. 2. Tedder T and Engel P. 1994. <i>Immunol. Today</i> 15:450.
Gene ID	931

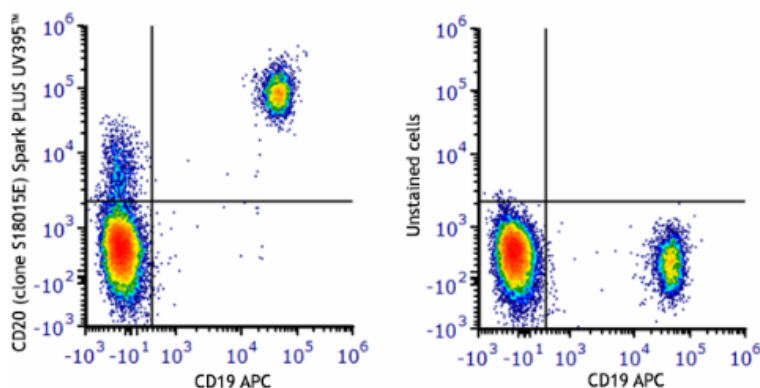
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

PerCP/Cyanine5.5 anti-human CD20 Antibody, FITC anti-human CD20 Antibody, PE/Dazzle™ 594 anti-human CD20, Brilliant Violet 421™ anti-human CD20, Pacific Blue™ anti-human CD20, PE/Cyanine7 anti-human CD20, Spark UV™ 387 anti-human CD20, APC/Fire™ 810 anti-human CD20, APC/Fire™ 750 anti-human CD20, Alexa Fluor® 647 anti-human CD20, Spark Violet™ 500 anti-human CD20, PerCP anti-human CD20, Alexa Fluor® 700 anti-human CD20, PerCP/Fire™ 780 anti-human CD20 Antibody, Spark PLUS UV395™ anti-human CD20, PerCP/Fire™ 806 anti-human CD20 Antibody, PE anti-human CD20 Antibody, APC anti-human CD20 Antibody, PE/Fire™ 810 anti-human CD20, Purified anti-human CD20

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD19 (clone HIB19) APC and anti-human CD20 (clone S18015E) Spark PLUS UV395™ (left), or stained with anti-human CD19 (clone HIB19) APC only (right).

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