

Spark PLUS UV395™ anti-human CD38 Antibody

Catalog# / Size	397125 / 25 tests 397126 / 100 tests
Clone	S17015A
Regulatory Status	RUO
Other Names	HB7, T10, ADP-ribosyl cyclase
Isotype	Mouse IgG1, κ
Description	CD38 is a 45 kD type II transmembrane glycoprotein also known as T10. It is an ADP-ribosyl hydrolase expressed at variable levels on hematopoietic cells and in some non-hematopoietic tissues (such as brain, muscles, and kidney). In humans, it is expressed at high levels on plasma cells and activated T and B cells. By functioning as both a cyclase and a hydrolase, CD38 mediates lymphocyte activation, adhesion, and the metabolism of cADPR and NAADP. CD31 is the ligand of CD38.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Human CD38 transfectants
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 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L 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)
Application Notes	S17015A does not cross-block binding of clones HIT2, HB-7 or S17015F also raised against human CD38 based on in-house testing.
RRID	AB_3683453 (BioLegend Cat. No. 397125) AB_3683453 (BioLegend Cat. No. 397126)

Antigen Details

Structure	ADP-ribosyl cyclase, ectoenzyme, type II glycoprotein, 45 kD
Distribution	T cells, B cells, NK, myeloid, plasma, and dendritic cells

Function	Ecto-ADP-ribosyl cyclase, calcium signaling, cell activation
Ligand/Receptor	CD31, hyaluronic acid
Cell Type	B cells, Dendritic cells, NK cells, Plasma cells, T cells
Biology Area	Cell Adhesion, Cell Biology, Immunology
Antigen References	<ol style="list-style-type: none"> 1. Ferrero E, <i>et al.</i> 1999. <i>J Leukoc Biol.</i> 65:151. 2. Lund F, <i>et al.</i> 1995. <i>Immunol Today.</i> 16:469.
Gene ID	952

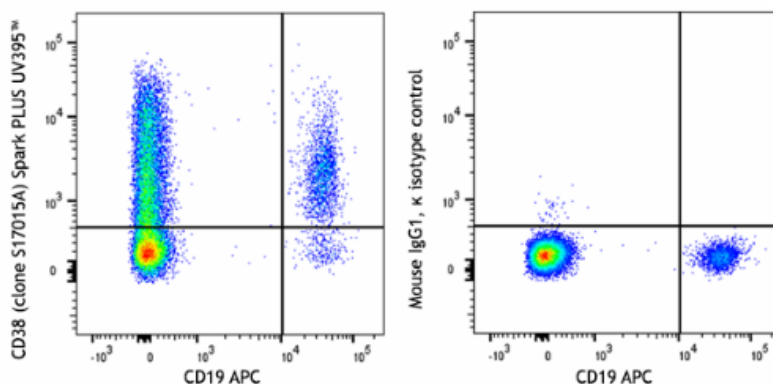
Related Protocols

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

Other Formats

PE anti-human CD38, Purified anti-human CD38, APC anti-human CD38, APC/Fire™ 750 anti-human CD38, Alexa Fluor® 700 anti-human CD38, PerCP/Cyanine5.5 anti-human CD38, FITC anti-human CD38, PE/Cyanine7 anti-human CD38, APC/Cyanine7 anti-human CD38, PE/Fire™ 700 anti-human CD38, APC/Fire™ 810 anti-human CD38 Antibody, Brilliant Violet 421™ anti-human CD38 Antibody, Spark PLUS UV395™ anti-human CD38, PerCP/Fire™ 806 anti-human CD38

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD19 (clone HIB19) APC and anti-human CD38 (clone S17015A) Spark PLUS UV395™ (left) or mouse IgG1, κ Spark PLUS UV395™ isotype control (right).

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