

Spark PLUS UV395™ anti-human CD10 Antibody

Catalog# / Size	312255 / 25 tests 312256 / 100 tests
Clone	HI10a
Regulatory Status	RUO
Workshop	V CD10.7
Other Names	Common acute lymphoblastic leukemia antigen (CALLA), Enkephalinase, Neutral endopeptidase, Neprilysin
Isotype	Mouse IgG1, κ
Description	CD10 is a 100 kD neutral endopeptidase and a member of the metalloprotease family. It is a type II transmembrane protein also known as common acute lymphoblastic leukemia antigen (CALLA), enkephalinase, and neprilysin. CD10 is expressed on B cell precursors, T cell precursors, and neutrophils. CD10 is involved in B cell development and has been shown to bind opioid enkephalins, bradykinin, angiotensins I and II, and other biologically active peptides.

Product Details

Verified Reactivity	Human, Cynomolgus, Rhesus
Reported Reactivity	African Green, Baboon, Capuchin monkey, Chimpanzee
Antibody Type	Monoclonal
Host Species	Mouse
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)
RRID	AB_3717229 (BioLegend Cat. No. 312255) AB_3717229 (BioLegend Cat. No. 312256)

Antigen Details

Structure	Type II transmembrane metalloprotease family, 100 kD
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Distribution	B cell precursors, T cell precursors, neutrophils
Function	Zinc-binding metalloproteinase, B cell development
Ligand/Receptor	Biologically active peptides including opioid enkephalins, bradykinin, angiotensins I & II
Cell Type	B cells, Neutrophils
Biology Area	Immunology
Molecular Family	CD Molecules
Antigen References	1. Shipp M, <i>et al.</i> 1993. <i>Blood</i> 82:1052. 2. Lu B, <i>et al.</i> 1995. <i>J. Exp. Med.</i> 181:2271.
Gene ID	4311

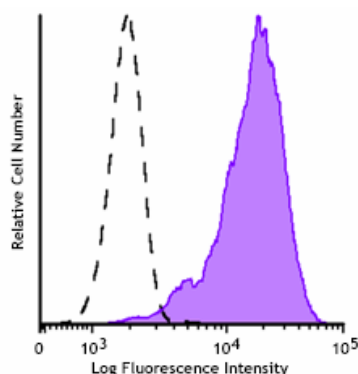
Related Protocols

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

Other Formats

GMP APC anti-human CD10, TotalSeq™-D0062 anti-human CD10, Purified anti-human CD10, PE/Cyanine5 anti-human CD10, GMP PE anti-human CD10, GMP PE/Cyanine7 anti-human CD10, PE anti-human CD10, PE/Dazzle™ 594 anti-human CD10, GMP PerCP/Cyanine5.5 anti-human CD10, GMP PE/Dazzle™ 594 anti-human CD10, Brilliant Violet 750™ anti-human CD10, Spark Blue™ 574 anti-human CD10, FITC anti-human CD10, APC anti-human CD10, GMP FITC anti-human CD10, Brilliant Violet 711™ anti-human CD10, APC/Fire™ 750 anti-human CD10, PE/Cyanine7 anti-human CD10, Brilliant Violet 421™ anti-human CD10, PerCP/Cyanine5.5 anti-human CD10, Brilliant Violet 605™ anti-human CD10, Brilliant Violet 510™ anti-human CD10, Brilliant Violet 650™ anti-human CD10, Spark Violet™ 423 anti-human CD10, Spark YG™ 593 anti-human CD10, GMP APC/Fire™ 750 anti-human CD10, TotalSeq™-A0062 anti-human CD10, TotalSeq™-C0062 anti-human CD10, Brilliant Violet 785™ anti-human CD10, Purified anti-human CD10 (Maxpar® Ready), PE/Fire™ 744 anti-human CD10 Antibody, APC/Cyanine7 anti-human CD10, PE/Fire™ 640 anti-human CD10, Pacific Blue™ anti-human CD10 Antibody, Spark PLUS UV395™ anti-human CD10, TotalSeq™-B0062 anti-human CD10

Product Data



Human peripheral blood granulocytes were stained with anti-human CD10 (clone HI10a) Spark PLUS UV395™ (filled histogram) or mouse IgG1, κ Spark PLUS UV395™ isotype control (open histogram).

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8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587