

Spark PLUS UV395™ anti-human IgG Fc Antibody

Catalog# / Size	410741 / 25 tests 410742 / 100 tests
Clone	M1310G05
Regulatory Status	RUO
Isotype	Rat IgG2a, κ
Description	IgG Fc is a homodimer that is composed of the constant region of the two heavy chains that form the IgG molecule. The Fc fragment mediates opsonization, antibody dependent cellular cytotoxicity (ADCC), and complement activation through binding to Fc receptors such as CD16, CD32, CD64, and the complement factor C1.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Human Siglec-E-IgG Fc fusion protein.
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	Clone M1310G05 recognizes IgG in the membrane of memory B cells, has a stronger affinity for IgG1 and IgG3 than for IgG2 and IgG4, and does not cross react with IgD, IgE, or IgM.
RRID	AB_3683463 (BioLegend Cat. No. 410741) AB_3683463 (BioLegend Cat. No. 410742)

Antigen Details

Structure	Homodimer formed by the constant region of the IgG heavy chain.
Ligand/Receptor	CD16, CD32, and CD64.
Cell Type	B cells
Biology Area	Immunology

Antigen References

1. Paul, WE. (2003). *Fundamental Immunology*. Philadelphia, PA: Lippincott, Williams, & Wilkins.

Gene ID

[3500](#)

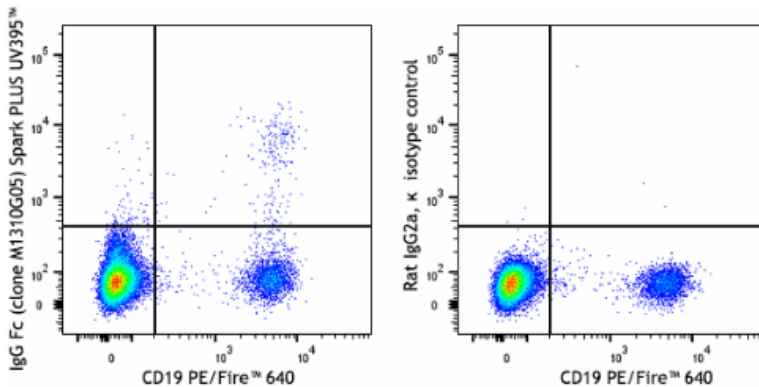
Related Protocols

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

Other Formats

Purified anti-human IgG Fc, Brilliant Violet 421™ anti-human IgG Fc, Alexa Fluor® 488 anti-human IgG Fc, PE anti-human IgG Fc, PerCP/Cyanine5.5 anti-human IgG Fc, APC anti-human IgG Fc, FITC anti-human IgG Fc, Biotin anti-human IgG Fc, Brilliant Violet 510™ anti-human IgG Fc, Alexa Fluor® 647 anti-human IgG Fc, PE/Cyanine7 anti-human IgG Fc, APC/Fire™ 750 anti-human IgG Fc, TotalSeq™-A0375 anti-human IgG Fc, TotalSeq™-C0375 anti-human IgG Fc, TotalSeq™-B0375 anti-human IgG Fc, APC/Cyanine7 anti-human IgG Fc, KIRAVIA Blue 520™ anti-human IgG Fc, TotalSeq™-D0375 anti-human IgG Fc, PE/Dazzle™ 594 anti-human IgG Fc, Brilliant Violet 711™ anti-human IgG Fc, Spark PLUS UV395™ anti-human IgG Fc Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD19 (clone HIB19) PE/Fire™ 640 and anti-human IgG Fc (clone M1310G05) Spark PLUS UV395™ (left) or rat IgG2a, κ Spark PLUS UV395™ isotype control (right).

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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