

Spark PLUS UV395™ anti-human CD235ab Antibody

Catalog# / Size	306633 / 25 µg 306634 / 100 µg
Clone	HIR2
Regulatory Status	RUO
Workshop	VII 70299
Other Names	Glycophorin A/B, GPA/GPB, GYPA, GYPB
Isotype	Mouse IgG2b, κ
Description	The HIR2 antibody reacts with a common epitope of glycophorin A (CD235a) and glycophorin B (CD235b). Glycophorin A is the major sialoglycoprotein expressed on red blood cell membrane, and erythroid precursors. Glycophorin A shares strong homology with glycophorin B. The HIR2 antibody recognizes human RBCs and erythroid precursors and is useful in erythroid cell development studies. Mature, non-nucleated red blood cells are characteristically glycophorin A positive, but CD45 and CD71 negative.

Product Details

Verified Reactivity	Human
Reported Reactivity	African Green, Baboon
Antibody Type	Monoclonal
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with Spark PLUS UV395™ under optimal conditions.
Concentration	0.2 mg/mL
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 ≤ 0.03 µg per million cells in 100 µL volume. 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 References	1. Mason D, <i>et al.</i> Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York.
(PubMed link indicates BioLegend citation)	
RRID	AB_3683316 (BioLegend Cat. No. 306633) AB_3683316 (BioLegend Cat. No. 306634)

Antigen Details

Structure	Sialoglycoprotein, 20 kD
Distribution	Erythrocytes
Cell Type	Erythrocytes
Biology Area	Immunology
Molecular Family	CD Molecules
Antigen References	1. Mason D, <i>et al.</i> Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York.
Gene ID	2993

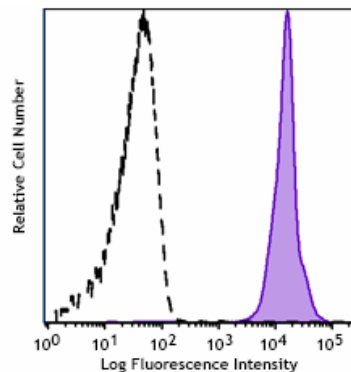
Related Protocols

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

Other Formats

APC anti-human CD235ab, PE anti-human CD235ab, PE/Cyanine5 anti-human CD235ab, Purified anti-human CD235ab, FITC anti-human CD235ab, Pacific Blue™ anti-human CD235ab, PerCP/Cyanine5.5 anti-human CD235ab, Purified anti-human CD235ab (Maxpar® Ready), Biotin anti-human CD235ab, PE/Cyanine7 anti-human CD235ab, APC/Fire™ 750 anti-human CD235ab, TotalSeq™-A0196 anti-human CD235ab, TotalSeq™-C0196 anti-human CD235ab, TotalSeq™-B0196 anti-human CD235ab, TotalSeq™-D0196 anti-human CD235ab, TotalSeq™-Bn0196 anti-human CD235ab, Spark PLUS UV395™ anti-human CD235ab, Spark Blue™ 550 anti-human CD235ab (Flexi-Fluor™), Spark Blue™ 574 anti-human CD235ab (Flexi-Fluor™) Antibody, Spark Red™ 718 anti-human CD235ab (Flexi-Fluor™)

Product Data



Human red blood cells were stained with anti-human CD235ab (clone HIR2) Spark PLUS UV395™ (filled histogram) or mouse IgG2b, κ Spark PLUS UV395™ isotype control (open histogram).

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