

APC/Fire™ 750 anti-human CD235ab Antibody

Catalog# / Size	306621 / 25 µg 306622 / 100 µg
Clone	HIR2
Regulatory Status	RUO
Workshop	VII 70299
Other Names	Glycophorin A/B, GPA/GPB
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 APC/Fire™ 750 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
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 ≤0.004 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application. * APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 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_2716165 (BioLegend Cat. No. 306621) AB_2716166 (BioLegend Cat. No. 306622)

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

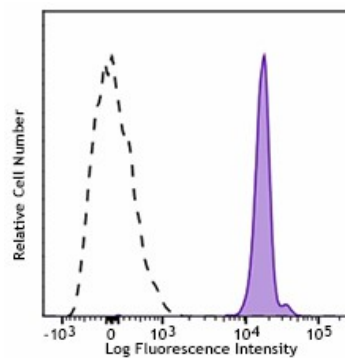
Related Protocols

[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

Product Data



Human erythrocytes were first treated with Human TruStain FcX™ then stained with clone HIR2 APC/Fire™ 750 (filled histogram) or Mouse IgG2b, κ APC/Fire™ 750 isotype control (dashed histogram).

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