

PE/Cyanine5 anti-human CD235ab Antibody

Catalog# / Size	306605 / 25 µg 306606 / 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 PE/Cyanine5 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 =0.06 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Additional Product Notes	BioLegend is in the process of converting the name PE/Cy5 to PE/Cyanine5. The dye molecule remains the same, so you should expect the same quality and performance from our PE/Cyanine5 products. Please contact Technical Service if you have any questions.
Application References	1. Mason D, <i>et al.</i> Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York.
(PubMed link indicates BioLegend citation)	
Product Citations	1. Wong S, <i>et al.</i> 2010. Exp Hematol. 38:994. PubMed 2. Jung J, <i>et al.</i> 2019. Cell Rep. 26:1906. PubMed 3. Bill M, <i>et al.</i> 2018. J Cell Mol Med. 22:2311. PubMed 4. Reilly BM, <i>et al.</i> 2021. Mol Cancer Res. 19:451. PubMed 5. Rodriguez-Meira A <i>et al.</i> 2019. Molecular cell. 73(6):1292-1305 . PubMed

RRID AB_314623 (BioLegend Cat. No. 306605)
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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

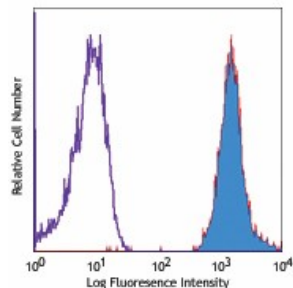
Related Protocols

[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 red blood cells stained with HIR2 PE/Cyanine5

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