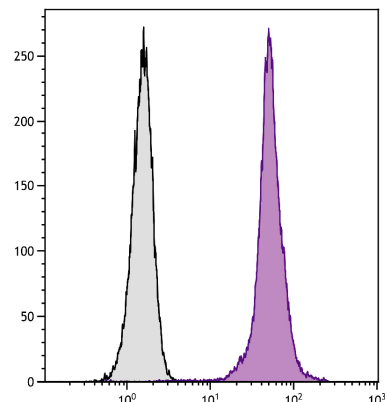




Mouse Anti-Human Glycophorin A

Cat. No.	Format	Size
9861-01	Purified (UNLB)	0.1 mg
9861-09	R-phycoerythrin (PE)	100 tests



Human red blood cells were stained with Mouse Anti-Human Glycophorin A-UNLB (SB Cat. No. 9861-01) followed by Goat Anti-Mouse IgG2b, Human ads-PE (SB Cat. No. 1090-09).

Overview

Clone	CMRF14
Isotype	Mouse IgG _{2b} K
Immunogen	Human red blood cells followed by purified Glycophorin A
Specificity	Human Glycophorin A; Mr 36 kDa
Alternate Name(s)	CD235a, GYPA, GPA
Workshop	N/A

Description

Glycophorin A (CD235a) is a 36 kDa sialoglycoprotein that is the most predominant sialoglycoprotein of the erythroid lineage. Glycophorin A is the major contributor to the net negative surface charge of the mature red blood cell (RBC) membrane thereby minimizing cell to cell interactions in circulation. The monoclonal antibody CMRF14 binds to glutaraldehyde fixed or neuraminidase treated erythrocytes but not to papain, trypsin, or pronase treated erythrocytes.

Applications

FC – Quality tested ^{1,2}

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	≤ 1 µg/10 ⁶ cells
	PE conjugate	10 µL/10 ⁶ cells
For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL		

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

1. Egner W, Hart DN. The phenotype of freshly isolated and cultured human bone marrow allostimulatory cells: possible heterogeneity in bone marrow dendritic cell populations. *Immunology*. 1995;85:611-20. (FC)
2. Strunk D, Rohde D, Lanzer G, Linkesch W. Phenotypic characterization and preclinical production of human lineage-negative cells for regenerative stem cell therapy. *Transfusion*. 2005;45:315-26. (FC)