

APC anti-human CD235ab

Catalog # / Size: 2133035 / 25 µg
2133040 / 100 µg

Clone: HIR2

Isotype: Mouse IgG2b, κ

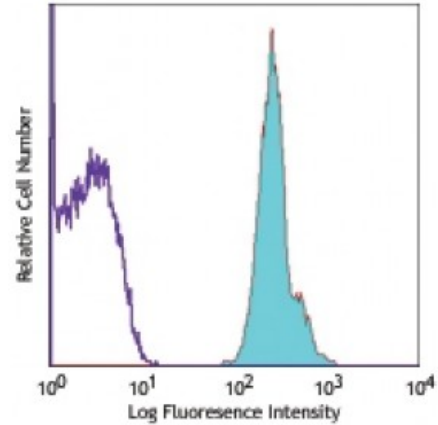
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: VII 70299

Concentration: 0.2



Human red blood cells stained with HIR2 APC

Applications:

Applications: Flow Cytometry

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 ≤ 0.015 microg per million cells in 100 microL volume or 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Mason D, *et al.* Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York.
2. Quintana E, *et al.* 2012. *Sci Transl Med.* 159:149. [PubMed](#).

Description: The HIR2 antibody reacts with a common epitope of glycoprotein A (CD235a) and glycoprotein B (CD235b). Glycoprotein A is the major sialoglycoprotein expressed on red blood cell membrane, and erythroid precursors. Glycoprotein A shares strong homology with glycoprotein 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 glycoprotein A positive, but CD45 and CD71 negative.

Antigen References:

1. Mason D, *et al.* Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York.