

**PE anti-human CD235ab**

**Catalog # / Size:** 2133020 / 100 µg  
2133015 / 25 µg

**Clone:** HIR2

**Isotype:** Mouse IgG2b, κ

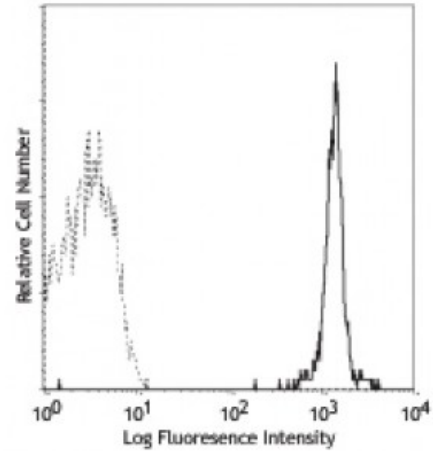
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE 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 CD235a/b PE

**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 ≤0.02 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.

**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.