

**APC/Fire™ 750 anti-human CD235ab**

**Catalog # /** 2133105 / 25 µg  
**Size:** 2133110 / 100 µg

**Clone:** HIR2

**Isotype:** Mouse IgG2b, κ

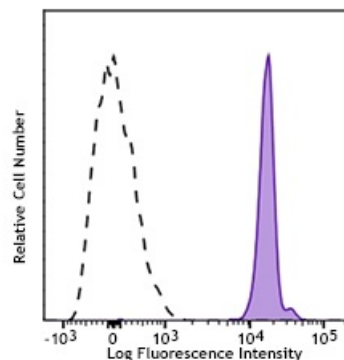
**Reactivity:** Human, Non-human primate

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

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

**Workshop Number:** VII 70299

**Concentration:** Lot-specific



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).

**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 ≤0.004 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, *et al.* Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York.

**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.

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