SONY

# Product Data Sheet

## PerCP/Cy5.5 anti-human CD235ab

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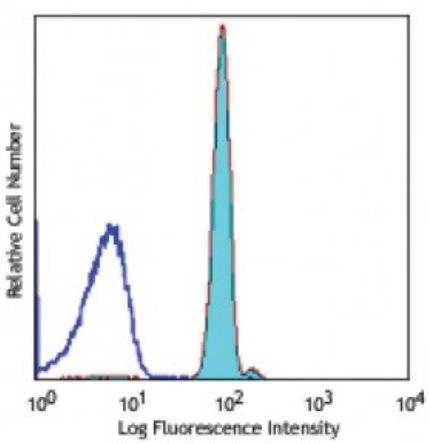
| **Catalog # / Size:** | 2133065 / 25 µg<br>2133070 / 100 µg |
| **Clone:** | HIR2 |
| **Isotype:** | Mouse IgG2b, κ |
| **Reactivity:** | Human |
| **Preparation:** | The antibody was purified by affinity chromatography, and conjugated with PerCP/Cy5.5under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 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 were stained with anti-human CD235ab (clone HIR2) PerCP/Cy5.5 (filled histogram) or mouse IgG2b, κ PerCP/Cy5.5 isotype control (open histogram).

## Applications:

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| **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. It is recommended that the reagent be titrated for optimal performance for each application.<br><br>* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm. |
| **Application References:** | 1. Mason D, *et al.* Eds. 2002. Leucocyte Typing VII. Oxford University Press. New York.<br>2. Gros A, *et al.* 2012. *Clin Cancer Res*. 18:5212. PubMed. |

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| **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. |


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