SONY

Product Data Sheet

APC/Cyanine7 anti-human CD235a (Glycophorin A)

Catalog # / Size: 2345580 / 100 tests
2345575 / 25 tests

Clone: HI264

Isotype: Mouse IgG2a, κ

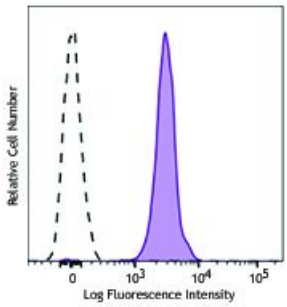
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Cy7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: VII 70312

Concentration: Lot-specific

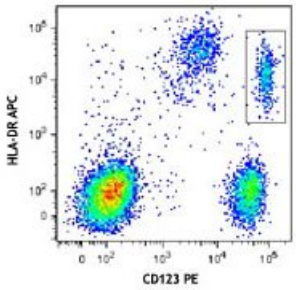


Human red blood cells were stained with anti-human CD235a (clone HI264) APC/Cy7 (filled histogram) or mouse IgG2a, κ APC/Cy7 isotype control (open histogram).

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 0.75 µl per million cells or 0.75 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Human peripheral blood leukocytes co-stained with CD123 PE and HLA-DR APC (gated on the Lineage negative/dim population).

Application References:

1. Mason D, *et al.* Eds. 2002. Leucocyte Typing VII:White Cell Differentiation Antigens. Oxford University Press. (FC)

Description: CD235a (Glycophorin A) is member of the glycophorin A family. It is a type I sialoglycoprotein with a molecular weight of 10 kD, present in the cell membrane as a homodimer. Glycophorin A is expressed by erythroid precursors and erythrocytes. It carries the antigen determinants for the MNS blood groups and has been proposed to be an inhibitor of hemagglutination and hemolysis. Glycophorin A binds siglec 5, the erythrocyte binding antigen (EBA-175) of *P. falciparum* and some viruses, including influenza virus and hepatitis A virus.

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Antigen References:

1. Reid ME. 2009. *Immunohematology* 25:95.
2. Palacajornsuk P. 2006. *Immunohematology* 22:171.
3. Pasvol G. 2003. *Trends Parasitol.* 19:430.
4. Takakuwa Y. 2001. *Curr. Opin. Hematol.* 8:80.

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