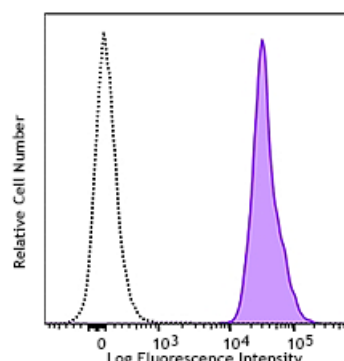


**PE/Dazzle™ 594 anti-human CD235a (Glycophorin A)****Catalog # /** 2345600 / 100 tests**Size:** 2345595 / 25 tests**Clone:** HI264**Isotype:** Mouse IgG2a,  $\kappa$ **Immunogen:** Recombinant Siglec-10 fused to human IgG Fc**Reactivity:** Human**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).**Workshop Number:** VII 70312**Concentration:** Lot-specific

Human red blood cells were stained with CD235a (Glycophorin A) (clone HI264) PE/Dazzle™ 594 (filled histogram) or mouse IgG2a,  $\kappa$  PE/Dazzle™ 594 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 5  $\mu$ l per million cells in 100  $\mu$ l staining volume or 5  $\mu$ l per 100  $\mu$ l of whole blood.

\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

**Application Notes:** Clone SK1 recognizes the  $\alpha$  chain of CD8. Additional reported applications (for the relevant formats) include: proteogenomics<sup>8</sup>, immunohistochemistry of acetone-fixed frozen tissue sections. This clone was tested in-house and does not demonstrate utility for formalin-fixed paraffin-embedded (FFPE) human tonsil sections.**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.

- 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.