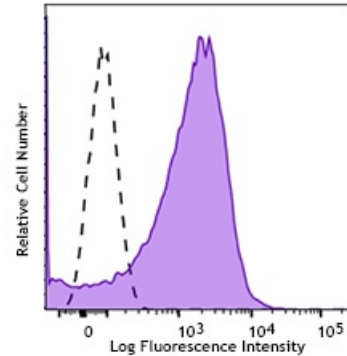


**APC anti-human CD59****Catalog # /** 2123560 / 100 tests**Size:** 2123555 / 25 tests**Clone:** p282 (H19)**Isotype:** Mouse IgG2a,  $\kappa$ **Reactivity:** Human, Non-human primate, Other**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC 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:** V S006**Concentration:** Lot-specific

Human peripheral blood lymphocytes were stained with anti-human CD59 (clone P282) APC (filled histogram) or mouse IgG2a,  $\kappa$  APC 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.**Application References:** 1. Schlossman S, *et al.* Eds. 1995. Leucocyte Typing V. Oxford University Press. New York.**Description:** CD59 is a 19-25 kD glycosylphosphatidylinositol (GPI)-anchored glycoprotein also known as protectin, MACIF, and H19. It is broadly expressed on hematopoietic and non-hematopoietic cells. CD59 inhibits the cytolytic activity of complement by binding to C9, inhibiting incorporation into C5b-8, and preventing the terminal steps in complement polymerization of the membrane attack complex. CD59 has also been reported to play a role in T cell activation.**Antigen References:** 1. Davies A, *et al.* 1993. *Immunol. Res.* 12:258.  
2. Lachmann P. 1991. *Immunol. Today* 12:312.  
3. Liszewski M, *et al.* 1996. *Adv. Immunol.* 61:201.