

## Technical Data Sheet

### iF647 Anti-Human CD59

**Catalog Number:** 106803, 106804  
**Size:** 25 tests, 100 tests  
**Target Name:** CD59, Protectin, MIRL, H19, MACIF  
**Regulatory Status:** RUO

#### Product Details

---

**Clone:** p282 (H19)  
**Application:** FC  
**Reactivity:** Human  
**Format:** iF647  
**Isotype:** Mouse IgG2a  
**Antibody Type:** Monoclonal  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA  
**Protein Concentration:** Supplied at a lot-specific concentration.  
**Storage&Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.  
**Recommended Usage:** For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application.  
**Excitation Laser:** Red Laser (633 nm)  
**Release Date:** Dec-25

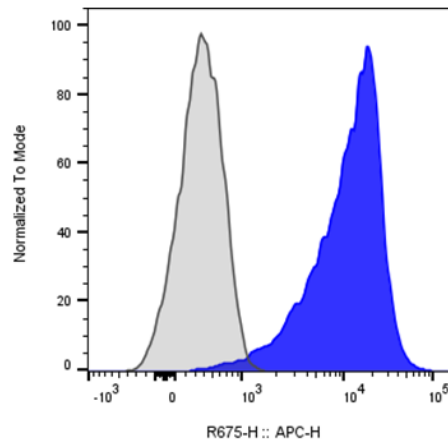
#### Background Information

---

CD59 (Protectin) is a 19–25 kDa GPI-anchored glycoprotein expressed on hematopoietic and non-hematopoietic cells. It functions as a complement regulatory protein by binding C8/C9 and inhibiting membrane attack complex (MAC) formation, thereby protecting host cells from complement-mediated lysis. CD59 also participates in T-cell activation and costimulation. CD59 deficiency can cause hemolytic anemia, thrombosis, and cerebral infarction.

#### Product Data

---



Human peripheral blood lymphocytes was stained with iF647 Anti-Human CD59 clone P282 (H19) (color-filled) or an isotype control (gray histogram).