

## Technical Data Sheet

### iF647 Anti-Human CD56

**Catalog Number:** 111003, 111004

**Size:** 25 tests, 100 tests

**Target Name:** CD56, Leu-19, NKH1

**Regulatory Status:** RUO

---

#### Product Details

**Clone:** CD56H

**Application:** FC

**Reactivity:** Human

**Format:** iF647

**Isotype:** Mouse IgG1

**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 uL of this reagent per 0.5-1.0 million cells in a 100  $\mu$ L volume. Optimal reagent performance should be determined by titration for each specific application.

**Excitation Laser:** Red Laser (633 nm)

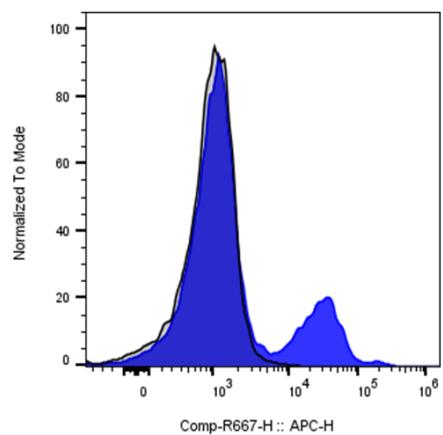
---

#### Background Information

Neural cell adhesion molecule (NCAM), also called CD56. It is a member of the Ig superfamily. The 140 kD isoform is expressed on NK cells and NK-T cells. CD56 is also expressed in the brain (cerebellum and cortex) and at neuromuscular junctions. Certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias also express CD56. CD56 plays a role in homophilic and heterophilic adhesion via binding to itself or heparin sulfate.

---

#### Product Data



Human peripheral blood lymphocytes was stained with iF647 Anti-Human CD56 clone CD56H (color-filled histogram) or an isotype control (gray histogram).