

## Technical Data Sheet

### Anti-Human CD81

**Catalog Number:** 106001, 106002  
**Size:** 100 ug, 500 ug  
**Target Name:** CD81, S5.7, CVID6, TSPAN28  
**Regulatory Status:** RUO

#### Product Details

---

**Clone:** 5A6  
**Application:** FC  
**Reactivity:** Human  
**Format:** Purified  
**Isotype:** Mouse IgG1  
**Antibody Type:** Monoclonal  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide  
**Protein Concentration:** 0.5 mg/mL  
**Storage and Handling:** The antibody solution should be stored between 2°C and 8°C  
**Recommended Usage:** For flow cytometric staining, it is recommended to use less than 0.25 ug 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

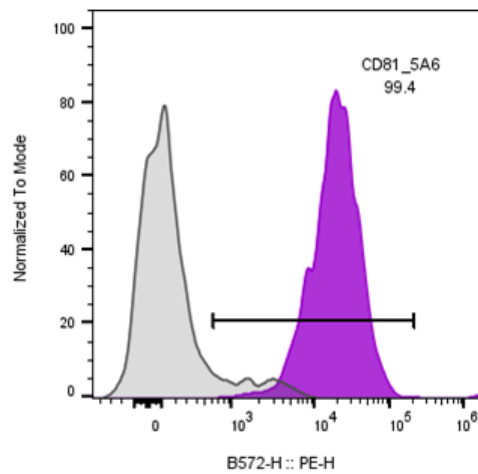
#### Background Information

---

CD81 molecule, also known as CD81 (Cluster of Differentiation 81), is a protein which in humans is encoded by the CD81 gene.[5][6] It is also known as 26 kDa cell surface protein, TAPA-1 (Target of the Antiproliferative Antibody 1), and Tetraspanin-28 (Tspan-28). CD81 is expressed on T and B cells, NK cells, monocytes, dendritic cells, thymocytes, endothelial cells, and fibroblasts. It also has low levels of expression on granulocytes. CD81 induces B cell adhesion via VLA-4 integrin and has been shown to play a role in early T cell development.

#### Product Data

---



Human peripheral blood lymphocytes stained either with purified Anti-Human CD81 clone 5A6 (purple histogram) or an isotype control (gray histogram), followed by PE anti-mouse IgG 2nd antibody.