

**Manufacturer/Supplier:**

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**Product name:** Purified Anti-Human CD81 Monoclonal Antibody

**Catalog:** DL20870F

**Synonyms:** CD81 antigen, CD81, 26 kDa cell surface protein  
TAPA-1, Target of the antiproliferative antibody  
1. Tetraspanin-28, Tspan-28, APA1, TSPAN28

**Background:** CD81 is a 26 kD non-glycosylated member of the tetraspanin superfamily (TM4SF), also known as TAPA-1 (target of an antiproliferative antibody). 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. CD81 associates with several other cell-surface proteins in

a multimolecular complex, including CD19, CD21, CD20, CD37, CD53, and CD82 in B cells, and CD4, CD8 and CD82 in T cells.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 25  $\mu$ g/100  $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM, WB, IHC, IF

**Concentration:** 0.5 mg/mL

**Conjugation:** Unconjugated

**SwissProt:** P60033

**Buffer:** PBS with 0.05% Proclin300

### **Recommended Use:**

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  $\leq 0.5 \mu$ g per  $10^6$  cells in 100  $\mu$ l volume or 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage:**



Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.