

## Anti-CD81 [1D6] Standard Size Ab00697-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** 1D6

**Alternative Name(s) of Target:** Tetraspanin-28; TAPA-1; Target of the Antiproliferative Antibody 1; Tspan-28

**UniProt Accession Number of Target Protein:** P60033

**Published Application(s):** functional, ICC/IF, IHC-P, IP, WB, ELISA, FC

**Published Species Reactivity:** Human, Chimpanzee, Goat, Sheep

**Immunogen:** This antibody was produced by immunizing mice with 5A6-aggregated OCI-LY8 B cells.

**Specificity:** This antibody is specific for human CD81, which is expressed on most tissues with the exception of red blood cells and platelets.

**Application Notes:** This antibody is a strong inducer of homotypic adhesion in hematolymphoid cells (Levy, 1998). This antibody also has an anti-proliferative effect, and is able to induce growth inhibition of B cell lines. Triggering of CD81 by this antibody induces a significant upregulation of the constitutive release of TNF- $\alpha$  by JY cells, an Epstein-Barr virus-positive B lymphoblastoid cell line (Altomonte, 1995).

**Antibody First Published in:** Levy et al. CD81 (TAPA-1): a molecule involved in signal transduction and cell adhesion in the immune system Annual review of immunology, 1998, Vol.16, pp.89-109 [Peer Reviewed Journal] [PMID:9597125](#)

**Note on publication:** Describes the original production of this antibody, and its use in characterising the CD81 antigen.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.