

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- α 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.