

Anti-CD81 [1.3.3.22] Standard Size Ab01547-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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, Fc Silent™, Kappa

Clone Number: 1.3.3.22

Alternative Name(s) of Target: TSPAN-28; Tetraspanin-28; TSPAN28; CD81 antigen; 26 kDa cell surface protein TAPA-1; Target of the antiproliferative antibody 1; TAPA-1; TAPA1

UniProt Accession Number of Target Protein: P60033

Published Application(s): WB, FC, IF, IHC

Published Species Reactivity: Rat, Human, Mouse

Immunogen: This antibody was raised by immunizing mice with a B-Cell line derived from a Burkitt lymphoma.

Specificity: 1.3.3.22 antibody recognizes CD81. Human CD81 is a member of the tetraspanin family of leukocyte cell surface molecules which are involved in signal transduction, cell-cell adhesion and cellular activation. CD81 also acts as a receptor for the envelope protein E2 of chronic hepatitis C virus. It is present on a wide variety of leukocytes.

Application Notes: Antibodies to CD81 have anti-proliferative effects on different lymphoid cell lines, particularly those derived from large cell lymphomas and thus 1.3.3.22 can be used as a research antibody in the studies on lymphoma therapeutics. This antibody is also recommended in the detection and analysis of CD81 via various methods. For instance, 1.3.3.22 antibody was used in the identification of CD81 in human arteries by immunohistochemistry (Rohlena et al., 2009). 1.3.3.22 was also successfully utilized during flow cytometric detection of CD81 on KM3 cells (Higginbottom et al., 2000).

Antibody First Published in: Allander et al. Hepatitis C virus envelope protein E2 binds to CD81 of tamarins. Virology. 2000 Nov 25;277(2):358-67. [PMID:11080483](#)

Note on publication: This article describes the application of the 1.3.3.22 antibody used in a flow cytometry study.

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.