

PE anti-human CD81 (TAPA-1)

Catalog # / Size: 2347530 / 100 tests
2347525 / 25 tests

Clone: 5A6

Isotype: Mouse IgG1, κ

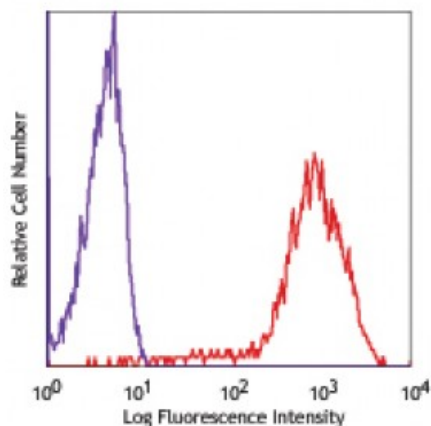
Immunogen: Human OCI-LY8 cell line

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



Human peripheral blood lymphocytes stained with CD81 (5A6) PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: Western Blotting³ and immunoprecipitation^{2,3}.

Application References:

1. Menno C, *et al.* 2010. *J. Clin. Invest.* 4:1265.
2. Oren R, *et al.* 1990. *Mol. Cell. Biol.* 8:4007. (IP)
3. Clark K, *et al.* 2004. *J. Biol. Chem.* 279(19):19401. (IP, WB)
4. Mochida K, *et al.* 2008. *J. Virol.* 13:6711.
5. Rappa G, *et al.* 2014. *Mol Cancer Res.* 12:1840. [PubMed](#)

Description: 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.

Antigen References:

1. Menno C, *et al.* 2010. *J. Clin. Invest.* 4:1265.
2. Fearon D, *et al.* 1995. *Annu. Rev. Immunol.* 13:127.
3. Wright M, *et al.* 1994. *Immunol. Today* 15:588.