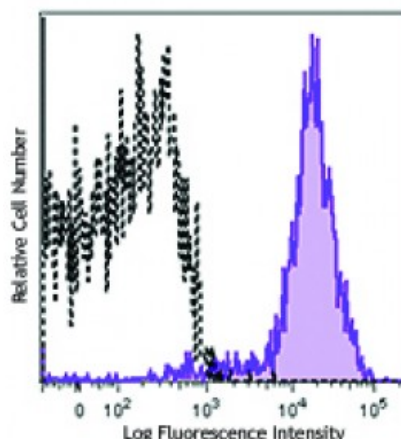


PE/Cy7 anti-human CD81 (TAPA-1)

Catalog # / Size:	2347555 / 25 tests 2347560 / 100 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/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 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 were stained with CD81 (clone 5A6) PE/Cy7 (filled histogram) or mouse IgG1, κ PE/Cy7 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	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 5 microL per million cells or 5 microL 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 Blotting ³ and immunoprecipitation ^{2,3} .
Application References:	<ol style="list-style-type: none"> 1. Menno C, <i>et al.</i> 2010. <i>J. Clin. Invest.</i> 4:1265. 2. Oren R, <i>et al.</i> 1990. <i>Mol. Cell. Biol.</i> 8:4007. (IP) 3. Clark K, <i>et al.</i> 2004. <i>J. Biol. Chem.</i> 279(19):19401. (IP, WB) 4. Mochida K, <i>et al.</i> 2008. <i>J. Virol.</i> 13:6711. 5. Rappa G, <i>et al.</i> 2014. <i>Mol Cancer Res.</i> 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:	<ol style="list-style-type: none"> 1. Menno C, <i>et al.</i> 2010. <i>J. Clin. Invest.</i> 4:1265. 2. Fearon D, <i>et al.</i> 1995. <i>Annu. Rev. Immunol.</i> 13:127. 3. Wright M, <i>et al.</i> 1994. <i>Immunol. Today</i> 15:588.