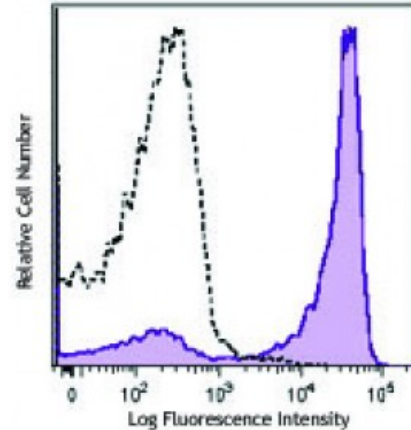


PE/Cy7 anti-human CD27

Catalog # / Size:	2382060 / 100 tests 2382055 / 25 tests
Clone:	M-T271
Isotype:	Mouse IgG1, κ
Immunogen:	Human T cells from a T-ALL patient.
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).
Workshop Number:	V 5T CD27.03
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD27 (clone M-T271) PE/Cy7 (filled histogram) or mouse IgG1 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: immunohistochemical staining of formalin-fixed paraffin-embedded frozen tissue sections ¹ , immunofluorescent staining ² , and ELISA ³ .
Application References:	1. Ma S, <i>et al.</i> 2011. <i>J. Virol.</i> 85:165. (IHC) 2. Manzo A, <i>et al.</i> 2008. <i>Arthritis Rheum.</i> 11:3377. (IF) 3. Kato K, <i>et al.</i> 2007. <i>Exp. Hematol.</i> 35:434. (ELISA)

Description: CD27 is a 50-55 kD type I membrane protein also known as S152 and T14. It is a lymphocyte-specific member of the TNF-receptor superfamily. CD27 is expressed on medullary thymocytes, virtually all mature T cells, some B cells, and NK cells. CD27 binds to CD70, and plays a role in costimulation of T cell activation and regulation of B cell differentiation and proliferation. The cytoplasmic domains of CD27 have also been shown to interact with TRAF2 and TRAF5 to elicit NF- κ B and SAPK/JNK activation.

Antigen References:

- Knapp W, *et al.* 1989. *Leucocyte Typing IV: White Cell Differentiation Antigens.* Oxford University Press.
- Schlossman S, *et al.* 1995. *Leucocyte Typing V: White Cell Differentiation Antigens.* Oxford University Press.
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