

Technical Data Sheet

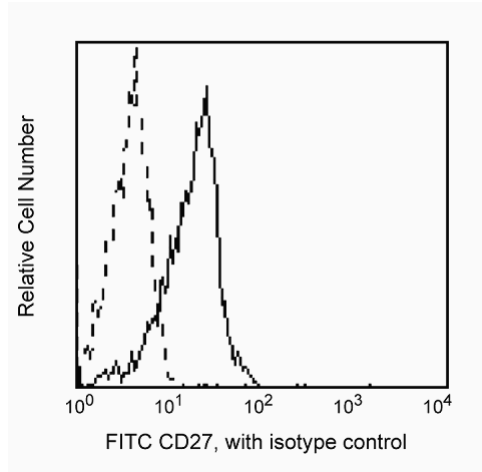
FITC Mouse Anti-Human CD27

Product Information

Material Number:	557329
Size:	50 tests
Vol. per Test:	20 µl
Clone:	M-T271
Isotype:	Mouse IgG1, κ
Reactivity:	Human
	QC Testing: Baboon or Rhesus or Cynomolgus
Workshop:	V 5T CD27.03
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Clone M-T271 reacts with the human form of 110 kDa disulfide-linked dimer of two polypeptide chains. CD27 molecule is a lymphocyte-specific member of the TNFR/NGFR family, and is expressed on the subset of human thymocytes and on the majority of mature T lymphocytes. This clone also cross-reacts with a major subset of peripheral blood lymphocytes and monocytes of baboon, and both rhesus and cynomolgus macaque monkeys. CD27+ cells were detected on all CD3+ lymphocytes and on a subset of CD20+ cells. The reactivity on lymphocytes and monocytes is similar to that observed with peripheral blood lymphocytes from normal human donors.



Profile of anti-CD27 reactivity on peripheral blood lymphocytes of Rhesus macaque (Macaca mulatta) analyzed by flow cytometry

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry	Routinely Tested
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Suggested Companion Products

Catalog Number	Name	Size	Clone
556649	FITC Mouse IgG1, κ Isotype Control	50 tests	MOPC-21

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Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100- μ l experimental sample (a test).
2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
3. Please refer to www.bdbiosciences.com/pharming/en/protocols for technical protocols.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Schlossman S, Boumell L, et al, ed. *Leucocyte Typing V*. New York: Oxford University Press; 1995.(Clone-specific)
Bigler RD, Bushkin Y, Chiorazzi N. S152 (CD27). A modulating disulfide-linked T cell activation antigen. *J Immunol*. 1988; 141(1):21-28.(Biology)
Bigler RD, Donat TL, Boselli CM. Definition of three epitopes of the CD27 molecule [P 120->55] present on activated normal lymphocytes. In: Knapp W, Dorken B, Rieber EP, et al, ed. *Leukocyte Typing IV: White Cell Differentiation Antigens*. New York: Oxford University Press; 1989:351-352.(Biology)