Technical Data Sheet

FITC Mouse Anti-Human IFN-γ

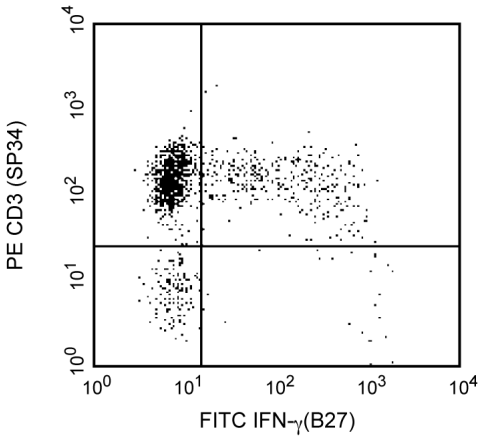
Product Information

Material Number:	**552887**
Size:	50 tests
Vol. per Test:	20 µl
Clone:	B27
Immunogen:	Human E.coli-expressed IFN-γ
Isotype:	Mouse IgG1, κ
Reactivity:	Human QC Testing: Baboon or Cynomolgus or Rhesus
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Clone B27 reacts with the human form of interferon-γ (IFN-γ) detectable in the cytoplasm of a major subset of activated peripheral blood T lymphocytes, following treatment with either monensin or brefeldin A. Clone B27 also cross-reacts with a cytoplasmic component of peripheral blood CD3+ lymphocytes of baboon and both rhesus and cynomolgus macaque monkeys following six-hour treatment with phorbol myristic acetate (PMA) and Ca++ ionophore (A23187) in the presence of monensin. The staining pattern of B27 in CD3+ cells is similar to that observed with peripheral blood T lymphocytes from normal human donors.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development or reported in the literature.



Profile of anti-IFN-γ (B27) reactivity on stimulated peripheral blood lymphocytes of cynomolgus macaque (macaca fascicularis) monkey 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

Intracellular staining (flow cytometry)	Routinely Tested

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Suggested Companion Products

Catalog Number	Name	Size	Clone
554715	BD Cytofix/Cytoperm Plus Kit (with BD GolgiStop)	250 tests	(none)
556649	FITC Mouse IgG1 Kappa Isotype Control	50 tests	MOPC-21

Product Notices

1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10e6 cells in a 100-µl 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/pharmingen/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

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Sopper S, Stahl-Hennig C, Demuth M, Johnston IC, Dorries R, ter Meulen V. Lymphocyte subsets and expression of differentiation markers in blood and lymphoid organs of rhesus monkeys. *Cytometry.* 1997; 29(4):351-362.(Biology)

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