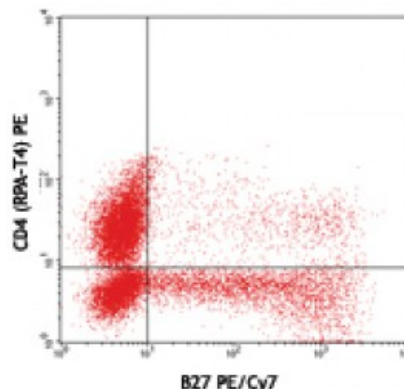


PE/Cy7 anti-human IFN- γ

Catalog # / Size:	3132590 / 100 tests 3132585 / 25 tests
Clone:	B27
Isotype:	Mouse IgG1, κ
Immunogen:	<i>E. coli</i> -expressed recombinant human IFN- γ
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



PMA/ionomycin-stimulated (5 hours) human peripheral blood lymphocytes intracellularly stained with B27 PE/Cy7 and CD4 (RPA-T4) PE

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular 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: **Flow Cytometry2:** The fluorochrome-labeled B27 antibody is useful for intracellular immunofluorescent staining and flow cytometric analysis to identify IFN- γ -producing cells within mixed cell populations. For intracellular cytokine staining protocol, please visit www.biolegend.com and click on the support section.

Neutralization^{1,3,6,7}: The LEAF™ Purified antibody (Endotoxin <0.1 EU/ μ g, Azide-Free, 0.2 μ m filtered) is recommended for neutralization of human IFN- γ bioactivity (Cat. No. 506512).

- Application References:**
1. Favre C, *et al.* 1989. *Molec. Immunol.* 26:17. (Neut)
 2. Kaur A, *et al.* 2002. *J Virol.* 76:3646.
 3. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5. (Neut)
 4. Andersson U, *et al.* 1999. *Detection and quantification of gene expression.* New York:Springer-Verlag.
 5. Rout N, *et al.* 2010. *PLoS One* 5:e9787. (FC)
 6. Acosta-Rodriguez EV, *et al.* 2007. *Nat. Immunol.* 9:942-9. (Neut)
 7. Gangur V, *et al.* 1998. *FASEB J.* 12:705-13. (Neut)

Description: Interferon- γ is a potent multifunctional cytokine which is secreted primarily by activated NK cells and T cells. Originally characterized based on anti-viral activities, IFN- γ also exerts anti-proliferative, immunoregulatory, and proinflammatory activities. IFN- γ can upregulate MHC class I and II antigen expression by antigen-presenting cells. The B27 antibody reacts with the human interferon- γ . The B27 antibody can neutralize the bioactivity of natural or

recombinant IFN- γ .

**Antigen
References:**

1. Fitzgerald K, *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press San Diego.
2. De Maeyer E, *et al.* 1992. *Curr. Opin. Immunol.* 4:321.
3. Farrar M, *et al.* 1993. *Annu. Rev. Immunol.* 11:571.