

Purified anti-human IFN- γ

Catalog # / Size:	3132505 / 50 μ g 3132510 / 500 μ g
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.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5

Applications:

Applications:	Other
Recommended Usage:	Each lot of this antibody is quality control tested by ELISA assay. For ELISA Capture applications, the antibody should be titrated between 0.25 - 2 microg/ml to determine optimal condition. 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:	<ol style="list-style-type: none">1. Favre C, <i>et al.</i> 1989. <i>Molec. Immunol.</i> 26:17. (Neut)2. Kaur A, <i>et al.</i> 2002. <i>J Virol.</i> 76:3646.3. Abrams J, <i>et al.</i> 1992. <i>Immunol. Rev.</i> 127:5. (Neut)4. Andersson U, <i>et al.</i> 1999. <i>Detection and quantification of gene expression.</i> New York:Springer-Verlag.5. Rout N, <i>et al.</i> 2010. <i>PLoS One</i> 5:e9787. (FC)6. Acosta-Rodriguez EV, <i>et al.</i> 2007. <i>Nat. Immunol.</i> 9:942-9. (Neut)7. Gangur V, <i>et al.</i> 1998. <i>FASEB J.</i> 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.

