

LEAF™ Purified anti-human IFN- γ

Catalog # / Size: 506512 / 50 μ g
506513 / 500 μ g

Clone: B27

Isotype: Mouse IgG1, κ

Immunogen: *E. coli*-expressed recombinant human IFN- γ

Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Baboon, Cynomolgus, Rhesus, Pigtailed Macaque, African Green, Sooty Mangabey

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 μ m filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/ μ g of the protein (<0.01 ng/ μ g of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.

Applications:

Applications: ELISA - *Quality tested*
ICFC, IP, IHC, Neut, WB - *Reported in the literature*
CyTOF® - *Validated*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISPOT capture applications, a concentration range of 0.5-2 μ g/ml is recommended. For ELISA capture applications, a concentration range of 1-4 μ g/ml is recommended. To obtain a linear standard curve, serial dilutions of IFN- γ recombinant protein ranging from 1000 to 8 pg/ml are recommended for each ELISA plate. 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}: 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. 506513).

Application References:

1. Favre C, *et al.* 1989. *Molec. Immunol.* 26:17.
2. Kaur A, *et al.* 2002. *J Virol.* 76:3646.
3. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
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)

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.
4. Gray P, *et al.* 1987. *Lymphokines* 13:151.

Related Products: **Product**

LEAF™ Purified Mouse IgG1, κ Isotype Ctrl
Recombinant Human IFN- γ

Clone

MOPC-21
rh IFN- γ

Application

FC, ICFC, WB, IP, ICC, IF, FA
BA, ELISA



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