

Purified anti-mouse IFN- γ Antibody

Catalog# / Size	517901 / 50 μ g 517902 / 500 μ g
Clone	AN-18
Regulatory Status	RUO
Other Names	IFN-gamma
Isotype	Rat IgG1, κ
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.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse IFN- γ protein
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography.
Concentration	0.5 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	ELISA Capture - Quality tested ELISPOT, IP - Reported in the literature. not verified in house
Recommended Usage	Each lot of this antibody is quality control tested by ELISA assay . For ELISA capture applications, a concentration range of 0.5 - 4.0 μ g/ml is recommended. To obtain a linear standard curve, serial dilutions of IFN- γ recombinant protein (Cat. No. 575309) are recommended at concentration up to 2000 pg/mL. The final standard range should be determined by the end-user.. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes	ELISA Capture: The purified AN-18 antibody is useful as a capture antibody for a sandwich ELISA assay, when used in conjunction with biotinylated R4-6A2 antibody (Cat. No. 505704) as detection antibody, and recombinant mouse IFN- γ (Cat. No. 575309) as the standard. The LEAF™ purified antibody is suggested for ELISPOT capture. Additional reported applications (for the relevant formats) include: immunoprecipitation.
Application References	1. Prat M, <i>et al.</i> 1984. <i>P. Natl. Acad. Sci. USA</i> 81:4515. (IP) 2. Kort JJ, <i>et al.</i> 2006. <i>J. Neuroimmunol.</i> 173:23. (ELISPOT) PubMed 3. Blankenhaus B, <i>et al.</i> 2014. <i>PLoS Pathog.</i> 10:1003913. PubMed
(PubMed link indicates BioLegend citation)	
Product Citations	1. Blankenhaus B, <i>et al.</i> 2014. <i>PLoS Pathog.</i> 10:1003913. PubMed 2. Adhikari AS, <i>et al.</i> 2022. <i>Front Oncol.</i> 12:850546. PubMed 3. Ranjan K, <i>et al.</i> 2021. <i>J Clin Invest.</i> 131:1. PubMed 4. Shimba A <i>et al.</i> 2018. <i>Immunity.</i> 48(2):286-298 . PubMed
RRID	AB_10900246 (BioLegend Cat. No. 517901) AB_10900809 (BioLegend Cat. No. 517902)

Antigen Details

Biology Area	Immunology
Molecular Family	Cytokines/Chemokines
Antigen References	<ol style="list-style-type: none">1. Fitzgerald K, <i>et al.</i> Eds. 2001. The Cytokine FactsBook. Academic Press San Diego.2. De Maeyer E, <i>et al.</i> 1992. <i>Curr. Opin. Immunol.</i> 4:321.3. Farrar M, <i>et al.</i> 1993. <i>Annu. Rev. Immunol.</i> 11:571.4. Gray P, <i>et al.</i> 1987. <i>Lymphokines</i> 13:151.
Gene ID	15978

Related Protocols

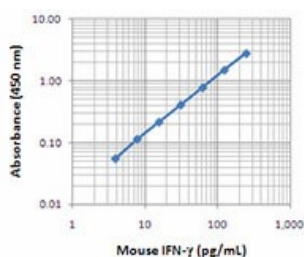
[Active Protocols: Sandwich ELISA - Video](#)

[Sandwich ELISA Protocol](#)

Other Formats

Purified anti-mouse IFN- γ , Ultra-LEAF™ Purified anti-mouse IFN- γ

Product Data



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