

## Ultra-LEAF™ Purified anti-mouse IFN-γ Antibody

<b>Catalog# / Size</b>	517905 / 100 µg 517906 / 1 mg
<b>Clone</b>	AN-18
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	IFN-gamma
<b>Isotype</b>	Rat IgG1, κ
<b>Description</b>	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

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Mouse IFN-γ protein
<b>Formulation</b>	0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.01 EU/µg of the protein (<0.001 ng/µg of the protein) as determined by the LAL test.
<b>Preparation</b>	The Ultra-LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.
<b>Concentration</b>	The antibody is bottled at the concentration indicated on the vial, typically between 2 mg/mL and 3 mg/mL. Older lots may have also been bottled at 1 mg/mL. To obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. This Ultra-LEAF™ solution contains no preservative; handle under aseptic conditions.
<b>Application</b>	<a href="#">ELISA Capture - Quality tested</a> <a href="#">ELISPOT Capture, IP - Reported in the literature, not verified in house</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">ELISA assay</a> . For ELISA Capture applications, a concentration range of 0.25 - 2.0 µg/mL is recommended. To obtain a linear standard curve, serial dilutions of IFN-γ recombinant protein ranging from 3.9 to 500 pg/mL is recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application Notes</b>	<b>ELISA Capture:</b> 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 detecting 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.
<b>Application References</b>	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) <a href="#">PubMed</a> 3. Blankenhaus B, <i>et al.</i> 2014. <i>PLoS Pathog.</i> 10:1003913. <a href="#">PubMed</a>
<b>(PubMed link indicates BioLegend citation)</b>	
<b>Product Citations</b>	1. Jia X, <i>et al.</i> 2021. <i>Front Cell Dev Biol.</i> 9:685522. <a href="#">PubMed</a>
<b>RRID</b>	AB_2810651 (BioLegend Cat. No. 517905) AB_2810652 (BioLegend Cat. No. 517906)

## Antigen Details

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<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	Cytokines/Chemokines
<b>Antigen References</b>	<ol style="list-style-type: none"><li>1. Fitzgerald K, <i>et al.</i> Eds. 2001. The Cytokine FactsBook. Academic Press San Diego.</li><li>2. De Maeyer E, <i>et al.</i> 1992. <i>Curr. Opin. Immunol.</i> 4:321.</li><li>3. Farrar M, <i>et al.</i> 1993. <i>Annu. Rev. Immunol.</i> 11:571.</li><li>4. Gray P, <i>et al.</i> 1987. <i>Lymphokines</i> 13:151.</li></ol>
<b>Gene ID</b>	<a href="#">15978</a>

## Related Protocols

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

[Sandwich ELISA Protocol](#)

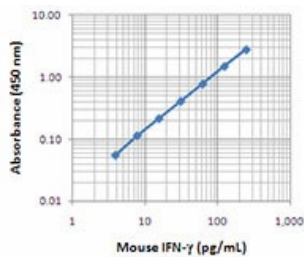
## Other Formats

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Purified anti-mouse IFN- $\gamma$ , Ultra-LEAF™ Purified anti-mouse IFN- $\gamma$

## Product Data

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