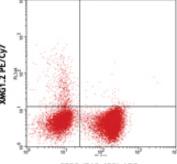


The path to legendary discovery™

Product Data Sheet

PE/Cy7 anti-mouse IFN-γ

Catalog # / Size:	505825 / 25 μg 505826 / 100 μg		***
Clone:	XMG1.2		
Isotype:	Rat IgG1, κ		
Immunogen:	<i>E. coli</i> -expressed, recombinant mouse IFN-γ	5	
Reactivity:	Mouse	PE/	31
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.	XMG1.2 PE/Cy7	1.0
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.		
Concentration:	0.2 mg/ml		۰ <u>با</u>
Storage:	The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.	_	



B220 (RA3-6B2) APC

PMA/lonomycin-stimulated (6hrs) C57BL/6 mouse splenocytes stained with B220 (RA3-6B2) APC and XMG1.2 PE/Cy7

Applications:

Applications: ICFC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: ELISA^{1-4,11,14} or ELISPOT⁵ Detection: The biotinylated XMG1.2 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with purified R4-6A2 antibody (Cat. No. 505702/505706) as the capture antibody and recombinant mouse IFN-γ (Cat. No. 575309) as the standard. ELISA or ELISPOT Capture: The purified XMG1.2 antibody is useful as a capture antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with biotinylated R4-6A2 antibody (Cat. No. 505704) as the detection antibody and recombinant mouse IFN-γ (Cat. No. 575309) as the standard. The LEAF™ purified antibody is

suggested for ELISPOT capture (Cat. No. 5058) as the stationard. The EEAT pullined antibody is **Flow Cytometry**^{7,8,12,13,16}: The fluorochrome-labeled XMG1.2 antibody is useful for intracellular immunofluorescent staining and flow cytometric analysis to identify IFN-γ-producing cells within mixed cell populations. **Neutralization**^{1-3,9,10}: The XMG1.2 antibody can neutralize the bioactivity of natural or recombinant IFN-γ. The LEAF The purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for neutralization of mouse IFN- γ bioactivity *in vivo* and *in vitro* (Cat. No. 505812). For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAFTM purified antibody (Cat. No. 505834) with a lower endotoxin limit than standard LEAFTM purified antibodies (Endotoxin <0.01 EU/µg).

Additional reported applications (for the relevant formats) include: Western blotting, immunohistochemical staining of paraformaldehyde-fixed, saponin-treated frozen tissue sections⁶, and immunocytochemistry. Note: For testing mouse IFN-γ in serum, plasma or supernatant, BioLegend's ELISA Max[™] Sets (Cat. No. 430801 to 430806) are specially developed and recommended.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

Application References: 1. Abrams J, et al. 1992. Immunol. Rev. 127:5. (ELISA, Neut)

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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.

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Related Products: Product

PE/Cy7 Rat IgG1, κ Isotype Ctrl Cell Staining Buffer RBC Lysis Buffer (10X)

Clone RTK2071

Application FC, ICFC FC, ICC, ICFC FC, ICFC



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