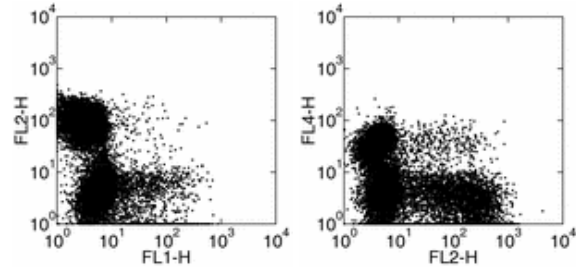


Product Information

Contents: Affinity Purified anti-mouse IFN- γ
Catalog Number: 14-7311
Sizes: 50 μ g, 500 μ g
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
Clone: XMG1.2
Isotype: Rat IgG1, κ



Mouse splenocytes were stimulated with ConA for 2 days, followed by IL-2 and IL-4 for 3 days, and restimulated with immobilized anti-CD3 and soluble anti-CD28 in the presence of Brefeldin A for 5 hours. (Left) The cells were surface-stained with PE anti-mouse CD4 (GK1.5) and intracellularly stained with FITC anti-mouse IFN-g (XMG1.2). (Right) The cells were surface stained with APC anti-mouse CD4 and intracellularly stained with PE anti-mouse IFN-g.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-7311	FITC anti-mouse IFN γ (Interferon-gamma, IFN-g)	488	518	IC
12-7311	PE anti-mouse IFN γ (Interferon-gamma, IFN-g)	488	575	IC
13-7311	Biotin anti-mouse IFN γ (Interferon-gamma, IFN-g)	N/A	N/A	ELISA
14-7311	Affinity Purified anti-mouse IFN γ (Interferon-gamma, IFN-g)	N/A	N/A	ELISA cap
16-7311	Functional Grade* Purified anti-mouse IFN γ (Interferon-gamma, IFN-g)	N/A	N/A	BA
17-7311	APC anti-mouse IFN γ (Interferon-gamma, IFN-g)	633	660	IC
19-7311	Cy5 anti-mouse IFN γ (Interferon-gamma, IFN-g)	633	670	IC
25-7311	Phycoerythrin-Cy7 (PE-Cy7) anti-mouse IFN γ (Interferon-gamma, IFN-g)	488	760	IC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/ μ g.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

Description

The XMG1.2 antibody reacts with mouse interferon- γ , a 15-20 kDa cytokine secreted by Th1 cells.

Usage

For research use only, not for diagnostic or therapeutic use. XMG1.2 has been reported for use in capture of mouse IFN- γ by ELISA, intracellular flow cytometric analysis, immunoblotting (WB), and for neutralizing IFN- γ binding and biological activity (use Functional Grade purified cat.16-7311).

Applications Tested

The XMG1.2 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of mouse IFN γ (Interferon-gamma, IFN-g) in combination with the biotin R4-6A2 (13-7312) antibody for detection and recombinant mouse IFN γ (14-8311) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 0.25-1 μ g/ml. ***Excess amounts of XMG1.2 may significantly reduce ELISA sensitivity.*** A standard curve consisting of doubling dilutions of the recombinant standard over the range of 2000 pg/ml - 15 pg/ml should be included in each ELISA plate.

Related Products

Cat. 88-7234 Mouse IL-23 (p19/p40) ELISA Ready-SET-Go!
Cat. 13-7312 Biotin anti-mouse IFNg (Interferon-gamma, IFN-g) (clone R4-6A2)
Cat. 14-8311 Recombinant Mouse IFNg (Interferon-gamma, IFN-g)

References

Abrams, J. S., M. G. Roncarolo, et al. (1992). "Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples." Immunol Rev 127: 5-24.

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