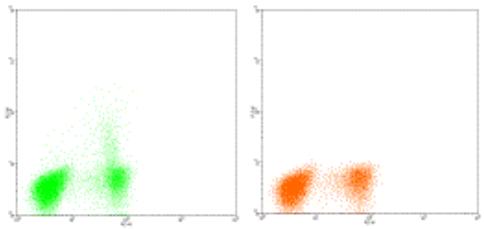
Anti-Mouse IFN gamma PE

Catalog Number: 12-7311
Also Known As: Interferon-gamma, IFN-g, IFNg
For Research Use Only. Not for use in diagnostic procedures.



Left: Intracellular staining of 6-hour PMA and Ionomycin activated mouse splenocytes with 0.125 ug of Anti-Mouse IFN gamma PE and surface staining of Anti-Mouse CD3e FITC. Right: Anti-Mouse IFN gamma PE staining blocked with Anti-Mouse IFN gamma Purified.

Product Information

Contents: Anti-Mouse IFN gamma PE
REF **Catalog Number:** 12-7311
Clone: XMG1.2
Concentration: ug size: 0.2 mg/mL; 5 uL (0.125 ug)/test
Host/Isotype: Rat IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.
LOT **Batch Code:** Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The XMG1.2 antibody reacts with mouse interferon (IFN) gamma. The XMG1.2 antibody is a neutralizing antibody. Mouse IFN gamma is a 20 kDa factor produced by activated T, B and NK cells, and is an anti-viral and anti-parasitic cytokine. IFN gamma, in synergy with other cytokines such as TNF alpha, inhibits proliferation of normal and transformed cells. Immunomodulatory effects of IFN gamma are exerted on a wide range of cell types expressing the high affinity receptors for IFN gamma. Glycosylation of IFN gamma does not affect its biological activity.

Applications Reported

This XMG1.2 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested

The PE conjugated XMG1.2 is offered in 2 formats:

- µg size: has been tested by intracellular staining followed by flow cytometric analysis of stimulated mouse splenocytes and can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested by intracellular staining followed by flow cytometric analysis of stimulated mouse splenocytes and can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

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Cho KS, Hill AB. T cell acquisition of APC membrane can impact interpretation of adoptive transfer experiments using CD45 congenic mouse strains. J Immunol Methods. 2008 Jan 31;330(1-2):137-45. (**XMG1.2**, IC flow, PubMed)

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Related Products
12-4301 Rat IgG1 K Isotype Control PE
88-7234 Mouse IL-23 ELISA Ready-SET-Go!® (Discontinued: Please see 88-7230 (2nd generation assay))

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com