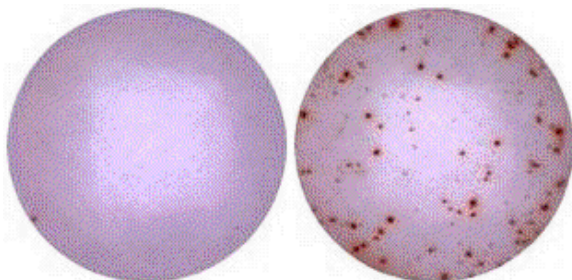


Anti-Human/Non-Human Primate IFN gamma Purified

Catalog Number: 14-7317

Also Known As: Interferon-gamma

RUO: For Research Use Only. Not for use in diagnostic procedures.



Human PBMCs were activated with PMA/Ionomycin in Human IFN gamma ELISPOT assay. Control well is medium alone.

Product Information

Contents: Anti-Human/Non-Human Primate IFN gamma Purified

REF Catalog Number: 14-7317

Clone: MD-1

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C.

 **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Contains sodium azide**

Description

The MD-1 antibody reacts with human, rhesus, cynomolgus and baboon interferon-gamma (IFN gamma), the signature Th1 cytokine, which is produced mainly by activated T cells, NK cells and B cells. IFN gamma is a dimeric protein. IFN gamma has antiviral and antiparasitic activities and also inhibits the proliferation of normal and transformed cells.

Applications Reported

The MD-1 antibody has been reported for use in intracellular flow cytometric analysis, cytokine neutralization, immunohistochemical staining, ELISA, and ELISPOT. (Fluorochrome conjugated MD-1 is recommended for use in intracellular flow cytometry.) (Please use Functional Grade purified MD-1, cat. 16-7317, in functional assays.)

Applications Tested

The MD-1 antibody has been tested as the capture antibody in a sandwich ELISA for analysis of human interferon- γ (IFN- γ) in combination with the biotinylated 4S.B3 (13-7319) antibody for detection and recombinant human IFN- γ (39-8319) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1-4 μ g/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/ml - 8 pg/mL should be included in each ELISA plate.

The FG Purified format of the MD-1 antibody has been tested as the capture antibody in an ELISPOT assay (in conjunction with the biotinylated 4S.B3 antibody) and for neutralization of IFN- γ biological activity. A suitable range of concentrations of this antibody for ELISPOT capture is 1-4 μ g/mL.

For in vitro neutralization, the MD-1 antibody at 30 μ g/ml has been found to neutralize by 50% the effect of 1 ng/mL human IFN- γ . A more potent neutralizing antibody is clone NIB42.

References

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Van der Meide PH, Dubbeld M, Schellekens H. Monoclonal antibodies to human immune interferon and their use in a sensitive solid-phase ELISA. J Immunol Methods. 1985 May 23;79(2):293-305.

Related Products

00-4202 ELISA Diluent Solution (5X)

18-4100 Avidin HRP

44-2404 Nunc MaxiSorp® flat-bottom 96 well plate

88-7316 Human IFN gamma ELISA Ready-SET-Go!®

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