

Monoclonal Antibody to IFNG / Interferon gamma - FITC

Alternate names: IFN-gamma, gamma IFN

Catalog No.: AM05867FC-N

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: Mammalian Interferon gamma is mainly produced by T lymphocytes and NK cells. It is a pleiotropic cytokine involved in the regulation of nearly all phases of immune and inflammatory responses, including the activation, growth and differentiation of T cell, B cells, macrophages, NK cells and other cell types such as endothelial cells and fibroblasts. It has weak antiviral and antiproliferative activity, and potentiates the antiviral and anti tumor effects of IFN alpha / beta (type I interferon). It is upregulated by IL2, FGF basic, EGF and downregulated by vitamin D3 or DMN. Labile at pH 2.

Uniprot ID: [P01579](#)

NCBI: [9606](#)

Host / Isotype: Mouse / IgG1

Clone: CC302

Format: **State:** Liquid purified IgG fraction.
Purification: Affinity Chromatography on Protein G.
Buffer System: Phosphate buffered saline pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer.
Label: FITC – Fluorescein Isothiocyanate Isomer 1

Applications: Flow Cytometry: Use 10 µl of 1/100-1/500 diluted antibody to label 10e6 cells in 100 µl. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises bovine interferon gamma.
This antibody may be used in combination with clone CC330 and recombinant bovine IFN gamma in ELISA assays.
Species: Bovine, Human, Pig, Dog, Horse, Sheep, Mustelid and Goat.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 1. Hasvold HJ, Valheim M, Berntsen G, Storset AK. In vitro responses to purified protein derivate of caprine T lymphocytes following vaccination with live strains of Mycobacterium avium subsp paratuberculosis. Vet Immunol Immunopathol. 2002 Nov;90(1-2):79-89. PubMed PMID: 12406657.

2. Mwangi W, Brown WC, Lewin HA, Howard CJ, Hope JC, Baszler TV, et al. DNA-encoded fetal liver tyrosine kinase 3 ligand and granulocyte macrophage-colony-stimulating factor increase dendritic cell recruitment to the inoculation site and enhance antigen-specific CD4+ T cell responses induced by DNA vaccination of outbred animals. *J Immunol.* 2002 Oct 1;169(7):3837-46. PubMed PMID: 12244180.
3. Pedersen, L. G. et al. (2002) Identification of monoclonal antibodies that cross react with cytokines from different animal species. *Vet. Immunol. Immunopathol.* 88: 111 - 122.
4. Aasted B, Bach P, Nielsen J, Lind P. Cytokine profiles in peripheral blood mononuclear cells and lymph node cells from piglets infected in utero with porcine reproductive and respiratory syndrome virus. *Clin Diagn Lab Immunol.* 2002 Nov;9(6):1229-34. PubMed PMID: 12414754.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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