Datasheet for ABIN2191743

anti-Interferon gamma antibody

7 Publications

Go to Product page

Overview

Quantity:	100 µg
Target:	Interferon gamma (IFNG)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Interferon gamma antibody is un-conjugated
Application:	Immunoprecipitation (IP), Immunoassay (IA), Inhibition Assay (InhA)

Product Details

Clone:	F3

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	gamma Interferon (IFNG Products)
Background:	Monoclonal antibody F3 binds and neutralizes both natural and recombinant mouse gamma Interferon. Its binding and neutralizing activity has been demonstrated in vitro and in vivo. F3 antibodies have been demonstrated to be able to inhibit inflammatory responses to bacterial lipopolysaccharides. These antibodies were furthermore shown to inhibit Shwartzman reactions and to protect NZB mice against spontaneous development of autoimmune disease. The antibody does not react with rat or human gamma interferon.
Pathways:	Interferon-gamma Pathway, Cellular Response to Molecule of Bacterial Origin, Regulation of

Target Details

	Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus, Autophagy

Application Details

Application Notes:	For neutralisation of biological activity dilutions have to be made according to the amount of Interferon to be inactivated. One neutralizing unit is defined as the amount of antibody sufficient for neutralizing one unit of mouse gamma Interferon antiviral activity as calibrated against NIH standard Gg02-901-533.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute the vial by injection of 0.5 mLsterile distilled or de-ionized water (Caution: vial is under vacuum).
Buffer:	Lyophilized product in PBS, containing 100 µg.
Handling Advice:	Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for one year.
Storage:	4 °C
Storage Comment:	Lyophilized product should be stored at 4 °C Store stock solution in aliquots at -20 °C Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for one year.
Expiry Date:	12 months

Publications

Product cited in:	Wolfs, Buurman, van Schadewijk, de Vries, Daemen, Hiemstra, van t Veer: "In vivo expression of Toll-like receptor 2 and 4 by renal epithelial cells: IFN-gamma and TNF-alpha mediated up-regulation during inflammation." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 168, Issue 3, pp. 1286-93, (2002) (PubMed). Billiau, Heremans, Vandekerckhove, Dillen: "Anti-interferon-gamma antibody protects mice against the generalized Shwartzman reaction." in: **European journal of immunology**, Vol. 17,

Issue 12, pp. 1851-4, (1988) (PubMed).

Dijkmans, Heremans, Billiau: "Heterogeneity of Chinese hamster ovary cell-produced recombinant murine interferon-gamma." in: **The Journal of biological chemistry**, Vol. 262, Issue 6, pp. 2528-35, (1987) (PubMed).

Heremans, Dijkmans, Sobis, Vandekerckhove, Billiau: "Regulation by interferons of the local inflammatory response to bacterial lipopolysaccharide." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 138, Issue 12, pp. 4175-9, (1987) (PubMed).

Jacob, van der Meide, McDevitt: "In vivo treatment of (NZB X NZW)F1 lupus-like nephritis with monoclonal antibody to gamma interferon." in: **The Journal of experimental medicine**, Vol. 166 , Issue 3, pp. 798-803, (1987) (PubMed).

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