

Datasheet for ABIN2191745
anti-Interferon gamma antibody



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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), Purification (Purif)

Product Details

Clone:	F1
Sterility:	0.2 µm filtered

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	gamma Interferon (IFNG Products)
Background:	Monoclonal antibody F1 binds both natural and recombinant mouse gamma Interferon. Its binding activity has been demonstrated in vitro and in vivo. F1 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 neutralizing activity of the antibody has been demonstrated as being poor in anti-viral assays. If a neutralizing antibody is

Target Details

specifically desired, we recommend the use of another antibody available from Hycult Biotech, namely F3 (prod. code HM1005) which recognizes a different epitope on the murine gamma Interferon molecule and in contrast to F1, exhibits strong neutralizing activity. The antibody does not react with rat or human gamma interferon.

Pathways: [Interferon-gamma Pathway](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of 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: The antibody can be used for the purification or immunochemical investigation of mouse gamma Interferon and structural studies. Furthermore the antibody is useful for immunoprecipitation and as a tracer antibody in immuno assay procedures.

Restrictions: For Research Use only

Handling

Buffer: PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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: 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: 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](#)).

van Tiel, Boere, Vinjé, Harmsen, Benaissa-Trouw, Kraaijeveld, Snippe: "Detection of Semliki Forest virus in cell culture by use of an enzyme immunoassay with peroxidase-labeled monoclonal antibodies specific for glycoproteins E1 and E2." in: **Journal of clinical microbiology**, Vol. 20, Issue 3, pp. 387-90, (1984) ([PubMed](#)).