Datasheet for ABIN2191865

anti-Interferon gamma antibody

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Overview

Quantity:	300 µg
Target:	Interferon gamma (IFNG)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Immunoprecipitation (IP), Neutralization (Neut), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunoassay (IA)

Product Details

Clone:	F12

Target Details

Target:	Interferon gamma (IFNG)
Alternative Name:	gamma Interferon (IFNG Products)
Background:	Monoclonal antibody binds and neutralizes both natural and recombinant human gamma Interferon. Cross reactivity with other cytokines has not been found. The antibody does not react with rodent interferons. Possible applications include the purification of human gamma Interferon and in vitro neutralisation. In general, monoclonal antibodies to gamma Interferon are able to inhibit Schwartzman reactions and in the murine system appear to protect NZB mice against spontaneous development of autoimmune disease.
Pathways:	Interferon-gamma Pathway, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of

Target Details

	Molecular Mediator of Immune Response, ER-Nucleus Signaling, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus, Autophagy

Application Details

Application Notes:	For immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. For neutralization of biological activity in vitro dilutions have to be made according to the amount of IFN-gamma to be inactivated. One neutralizing unit of anti-human gamma interferon is defined as the amount of antibody sufficient for neutralizing one unit human gamma interferon (ref.: NIH standard Gg23- 901-530).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute the vial by injection of 1 mLdistilled or de-ionized water (Caution: vial is under vacuum).
Buffer:	Lyophilized product in PBS, containing 300 µg antibody.
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:	Billiau: "Gamma-interferon: the match that lights the fire?" in: **Immunology today**, Vol. 9, Issue 2, pp. 37-40, (1989) (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 der Meide, Dubbeld, Schellekens: "Monoclonal antibodies to human immune interferon and their use in a sensitive solid-phase ELISA." in: **Journal of immunological methods**, Vol. 79, Issue 2, pp. 293-305, (1985) (PubMed).

Armstrong: "Semi-micro, dye-binding assay for rabbit interferon." in: **Applied microbiology**, Vol. 21, Issue 4, pp. 723-5, (1971) (PubMed).