

ARG21502 anti-IFN gamma antibody [XMG1.2]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [XMG1.2] recognizes IFN gamma
Tested Reactivity	Ms
Tested Application	ELISA, ELISPOT, FACS, ICC/IF, IHC-Fr, IHC-P, Neut, WB
Specificity	Mouse IFN-γ.
Host	Rat
Clonality	Monoclonal
Clone	XMG1.2
Isotype	IgG1, kappa
Target Name	IFN gamma
Species	Mouse
Immunogen	E. coli-expressed IFN-γ
Conjugation	Un-conjugated
Alternate Names	IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ELISPOT	Assay-dependent
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	IHC-P	Assay-dependent
	Neut	Assay-dependent
	WB	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

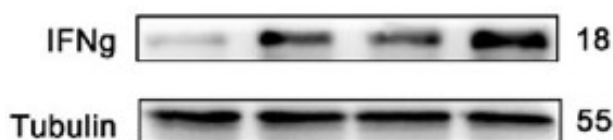
Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IFNG
Gene Full Name	interferon gamma
Background	This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of the both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Sep 2015]
Function	Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons. [UniProt]
Highlight	Related products: IFN gamma antibodies ; IFN gamma ELISA Kits ; IFN gamma Duos / Panels ; IFN gamma recombinant proteins ; Anti-Rat IgG secondary antibodies ; Related news: HMGB1 in inflammation Inflammatory Cytokines
Calculated Mw	19 kDa
PTM	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.

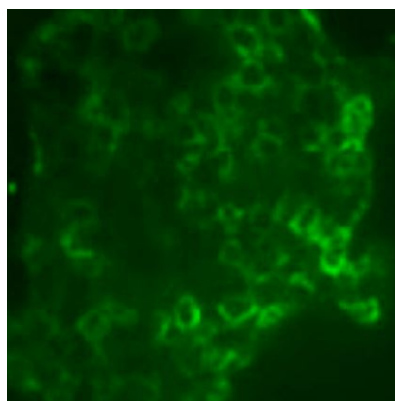
Images



ARG21502 anti-IFN gamma antibody [XMG1.2] WB image

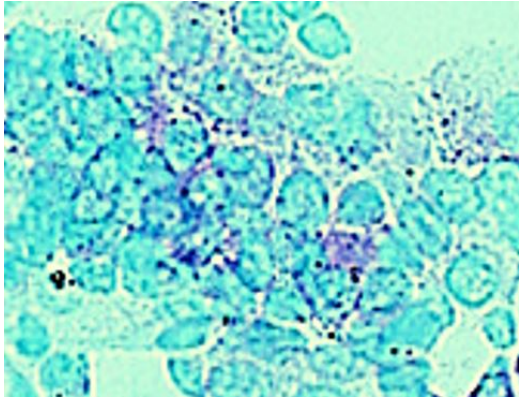
Western blot: Mouse lysis stained with ARG21502 anti-IFN gamma antibody [XMG1.2].

From Hao Yu et al. Front Microbiol. (2023), [doi: 10.3389/fmicb.2023.1126808](https://doi.org/10.3389/fmicb.2023.1126808), Fig. 4 (B).



ARG21502 anti-IFN gamma antibody [XMG1.2] IHC-Fr image

Immunohistochemistry: Frozen section of Mouse pulmonary granuloma tissue stained with ARG21502 anti-IFN gamma antibody [XMG1.2].



ARG21502 anti-IFN gamma antibody [XMG1.2] IHC-Fr image

Immunohistochemistry: Frozen section of acetone-fixed Mouse brain tissue stained with ARG21502 anti-IFN gamma antibody [XMG1.2].