

ARG43398 anti-IFN gamma antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes IFN gamma
Tested Reactivity	Ms
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IFN gamma
Species	Mouse
Immunogen	E. coli-derived recombinant Mouse IFN gamma.
Conjugation	Biotin
Alternate Names	IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI

Application Instructions

Application table	Application	Dilution
	ELISA	0.25 - 1.0 µg/ml
	WB	0.1 - 0.2 µg/ml

Application Note Sandwich ELISA (Capture antibody - Detection antibody): [ARG56459](#) - ARG43398

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

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. 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

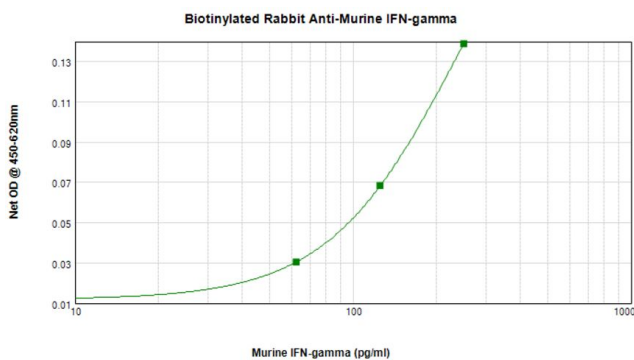
Gene Symbol	IFNG
Gene Full Name	interferon, gamma
Background	This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma 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, Dec 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]
Calculated Mw	19 kDa
PTM	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



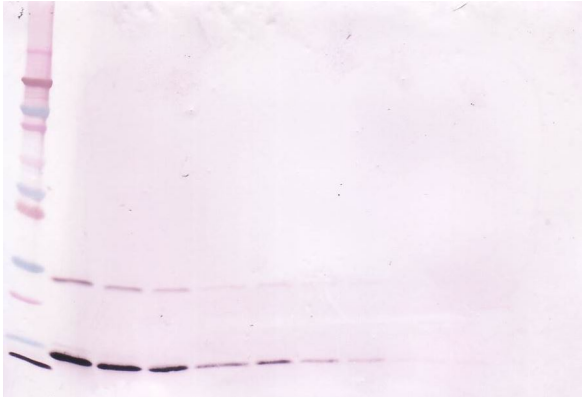
ARG43398 anti-IFN gamma antibody (Biotin) WB image

Western blot: 3.0 - 1.5 ng (left to right) of Recombinant Murine IFN gamma protein stained with ARG43398 anti-IFN gamma antibody (Biotin), under reducing conditions.



ARG43398 anti-IFN gamma antibody (Biotin) standard curve image

Sandwich ELISA: ARG43398 anti-IFN gamma antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with [ARG56459](#) anti-IFN gamma antibody as a capture antibody. Results of a typical standard run with optical density reading at 450 - 620 nm.



ARG43398 anti-IFN gamma antibody (Biotin) WB image

Western blot: 3.0 - 1.5 ng (left to right) of Recombinant Murine IFN gamma protein stained with ARG43398 anti-IFN gamma antibody (Biotin), under non-reducing conditions.