

Anti-Interferon gamma antibody [GIF-3] ab9801

6 References

Overview

Product name	Anti-Interferon gamma antibody [GIF-3]
Description	Mouse monoclonal [GIF-3] to Interferon gamma
Host species	Mouse
Tested applications	Suitable for: Sandwich ELISA, Indirect ELISA, Inhibition Assay, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Interferon gamma.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 28/11/2017. Please note that the dilutions may need to be adjusted accordingly.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: PBS</p> <p>No preservative, sterile filtered</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	GIF-3
Myeloma	NS0/1

Isotype	IgG1
Light chain type	unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab9801 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Mouse monoclonal [GIF-10] to Interferon gamma (ab9805) . PubMed: 9458493 Used as the detection antibody in conjunction with recommended pair. sELISA can be used to determine IFN-g concentration in the cultures of human peripheral blood mononuclear cells.
Indirect ELISA		Use at an assay dependent concentration.
Inhibition Assay		Use at an assay dependent concentration. Can be used to neutralize the antiviral activity of IFN-g: The bioassay was performed using the L41 cell line and mouse encephalomyocarditis virus (EMCV). Briefly, interferon was pre-incubated with the ab for 2 h at RT and then added to the cell monolayer. 24 h later cells were infected with EMCV and cultured for further 24 h. Antiviral activity of interferon was evaluated using
WB		Use at an assay dependent concentration.

Target

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.
Tissue specificity	Released primarily from activated T lymphocytes.
Involvement in disease	In Caucasians, genetic variation in IFNG is associated with the risk of aplastic anemia (AA) [MIM:609135]. AA is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.
Sequence similarities	Belongs to the type II (or gamma) interferon family.
Post-translational modifications	Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.
Cellular localization	Secreted.

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