

Product datasheet

Anti-Interferon gamma antibody [B-B1] - BSA and Azide free ab47343

[2 Images](#)

Overview

Product name	Anti-Interferon gamma antibody [B-B1] - BSA and Azide free
Description	Mouse monoclonal [B-B1] to Interferon gamma - BSA and Azide free
Host species	Mouse
Specificity	ab47343 recognises both natural and recombinant Human Interferon gamma. It inhibits Interferon gamma induced proliferation.
Tested applications	Suitable for: Blocking, Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length Human Interferon gamma.
General notes	<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	pH: 7.30 Constituent: 100% PBS
Carrier free	Sterile-filtered through 0.22 µm. Carrier and preservative free Yes
Purity	Ion Exchange Chromatography
Purification notes	Sterile filtered through 0.22 µm and treated to remove endotoxins. Carrier and preservative free.
Clonality	Monoclonal

Clone number	B-B1
Myeloma	x63-Ag8.653
Isotype	IgG1
Light chain type	kappa

Applications

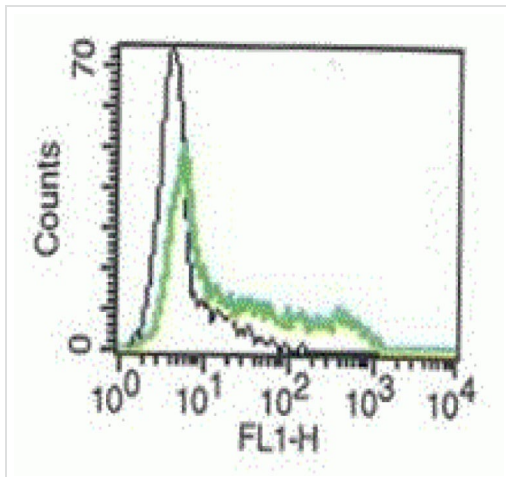
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab47343 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Blocking		Use at an assay dependent concentration. ab47343 blocks Interferon gamma-induced proliferation.
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

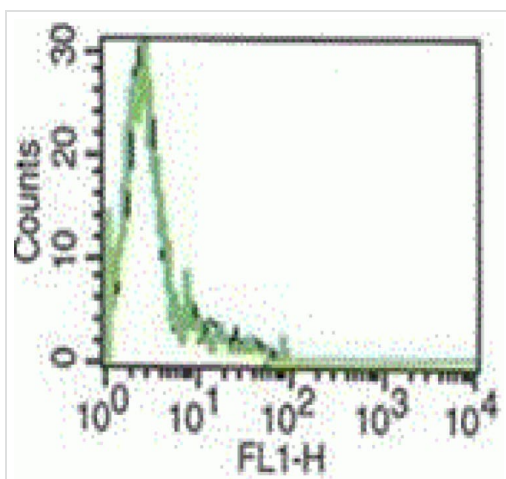
Function	Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral 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.

Images



Flow cytometry analysis of activated lymphocytes labeling B-B1 with ab47343. The dotted line represents the IgG1 isotype control.

Flow Cytometry - Anti-Interferon gamma antibody [B-B1] - BSA and Azide free (ab47343)



Flow cytometry analysis of non-activated lymphocytes labeling B-B1 with ab47343. The dotted line represents the IgG1 isotype control.

Flow Cytometry - Anti-Interferon gamma antibody [B-B1] - BSA and Azide free (ab47343)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors