

Product datasheet

Anti-Interferon gamma antibody [MD-1] ab25014

★★★★★ [1 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Anti-Interferon gamma antibody [MD-1]
Description	Mouse monoclonal [MD-1] to Interferon gamma
Host species	Mouse
Specificity	The antibody recognises IFN-gamma but does not react IFN-alpha and beta.
Tested applications	Suitable for: Sandwich ELISA
Species reactivity	Reacts with: Human Does not react with: Mouse, Rat
Immunogen	Recombinant full length protein (Human)
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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 4.275% Trehalose
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	MD-1
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab25014 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 a concentration of 5 µg/ml. Can be paired for Sandwich ELISA with Rabbit polyclonal to Interferon gamma (ab25101) . For sandwich ELISA, use this antibody as Capture at 5µg/ml with ab25101 as Detection.

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.

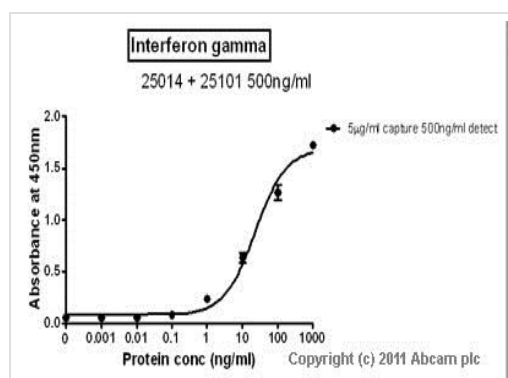
Post-translational modifications

Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.

Cellular localization

Secreted.

Images



Sandwich ELISA - Anti-Interferon gamma antibody
[MD-1] (ab25014)

Standard curve for Interferon gamma (Analyte: **ab51240**); dilution range 1pg/ml to 1µg/ml using Capture Antibody ab25014 at 5µg/ml and Detector Antibody **ab25101** at 0.5µg/ml.

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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