

Product datasheet

Anti-Interferon gamma antibody [GIF-7] ab9808

1 Image

Overview

Product name	Anti-Interferon gamma antibody [GIF-7]
Description	Mouse monoclonal [GIF-7] to Interferon gamma
Host species	Mouse
Specificity	Recognizes human IFN-g. Does not react with human IFN-a.
Tested applications	Suitable for: ELISA, Indirect ELISA, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein (Human).

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.
Purity	Protein A purified
Clonality	Monoclonal
Clone number	GIF-7
Myeloma	NS0/1
Isotype	IgG2a
Light chain type	unknown

Applications

Our [Abpromise guarantee](#) covers the use of **ab9808** 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
ELISA		
Indirect ELISA		

Application	Abreviews	Notes
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WB

Application notes Indirect ELISA: use at 1/1000 to 1/5000
Western Blot: use at 1/500 to 1/2000

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



Western blot against human interferon gamma using ab9808 at 1 µg/ml.

Western blot against human interferon gamma using ab9808 at 1 µg/ml.

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