

## Product datasheet

# Anti-Interferon gamma antibody [H22] ab10742

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-Interferon gamma antibody [H22]  |
| <b>Description</b>         | Armenian Hamster monoclonal [H22] to Interferon gamma   |
| <b>Tested applications</b> | <b>Suitable for:</b> ELISA, WB, IP, Neutralising  |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse   |
| <b>Immunogen</b>           | Purified recombinant mouse interferon gamma.  |
| <b>Epitope</b>             | The antibody epitope resides between amino acid residues 15 and 99 of mouse interferon gamma. |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| <b>Storage buffer</b>       | Preservative: None<br>Constituents: 0.01M PBS, pH 7.4   |
| <b>Purity</b>               | Protein A purified  |
| <b>Purification notes</b>   | The product is provided as (protein A) purified and sterile filtered antibody.                          |
| <b>Clonality</b>            | Monoclonal  |
| <b>Clone number</b>         | H22   |
| <b>Myeloma</b>              | P3x63-Ag8.653   |
| <b>Isotype</b>              | IgG   |

### Applications

Our [Abpromise guarantee](#) covers the use of **ab10742** 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       |           | Use at an assay dependent dilution. |

| Application  | Abreviews | Notes  |
|--------------|-----------|--|
| WB           |           | Use a concentration of 0.25 - 0.5 µg/ml. Predicted molecular weight: 16 kDa. |
| IP           |           | Use at an assay dependent dilution.  |
| Neutralising |           | Use at an assay dependent dilution.  |

## Target

|   |   |
|---|---|
| <b>Function</b>                         | 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.  |
| <b>Tissue specificity</b>               | Released primarily from activated T lymphocytes.  |
| <b>Involvement in disease</b>           | 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. |
| <b>Sequence similarities</b>            | Belongs to the type II (or gamma) interferon family.  |
| <b>Post-translational modifications</b> | Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.  |
| <b>Cellular localization</b>            | Secreted.   |

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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