

Product datasheet

Anti-Interferon gamma antibody [GIF-10] ab9805

3 References

Overview

| | |
|----------------------------|---|
| Product name | Anti-Interferon gamma antibody [GIF-10] |
| Description | Mouse monoclonal [GIF-10] to Interferon gamma |
| Host species | Mouse |
| Tested applications | Suitable for: WB, Indirect ELISA, Sandwich ELISA |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant full length protein corresponding to Human Interferon gamma. Database link: P01579 |
| 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

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|-----------------------------|--|
| 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: 7.2 Preservative: 0.1% Sodium azide Constituent: PBS |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | GIF-10 |
| Myeloma | NS0/1 |
| Isotype | IgG1 |

Light chain type unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab9805 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 |
|----------------|-----------|---|
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 19 kDa. |
| Indirect ELISA | | Use at an assay dependent concentration. |
| Sandwich ELISA | | Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Mouse monoclonal [GIF-3] to Interferon gamma (ab9801) . |

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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