

ARG83350 Mouse IFN gamma ELISA Kit

Package: 96 wells
Store at: 4°C; -20°C

Component

| Cat. No. | Component Name | Package | Temp |
|-------------|-------------------------------------|-------------------|--------------------------|
| ARG83350-01 | Antibody Coated Microplate | 8 X 12 strips | 4°C |
| ARG83350-02 | Standard (Lyophilized) | 3 vials | 4°C |
| ARG83350-03 | 100X Antibody Conjugate Concentrate | 120 µl | ≤ -20°C |
| ARG83350-04 | 1000X HRP-Streptavidin solution | 15 µl | 4°C |
| ARG83350-05 | Standard / Sample Diluent Buffer | 20 ml | 4°C |
| ARG83350-06 | Antibody Diluent Buffer | 35 ml | 4°C |
| ARG83350-07 | 10X Wash Buffer | 50 ml | 4°C |
| ARG83350-08 | TMB substrate | 12 ml | 4°C (protect from light) |
| ARG83350-09 | STOP solution | 12 ml | 4°C |
| ARG83350-10 | Plate sealer | 3 adhesive strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG83350 Mouse IFN gamma ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Mouse IFN gamma in Serum, Plasma, Cell culture supernatants. |
| Tested Reactivity | Ms |
| Tested Application | ELISA |
| Specificity | No significant cross-reactivity or interference with Canine IFN- gamma, cotton rat IFN- gamma, equine IFN- gamma, feline IFN- gamma, mouse IFN- gamma, porcine IFN- gamma, rat IFN- gamma |
| Target Name | IFN gamma |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm |
| Sensitivity | 7.8 pg/ml |
| Sample Type | Serum, Plasma, Cell culture supernatants |
| Standard Range | 15.625 - 1000 pg/ml |
| Sample Volume | 50 µl |
| Precision | CV: less than 10% |

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| Alternate Names | IFN-gamma; Interferon gamma; Immune interferon; IFG; IFI |
|-----------------|--|

Application Instructions

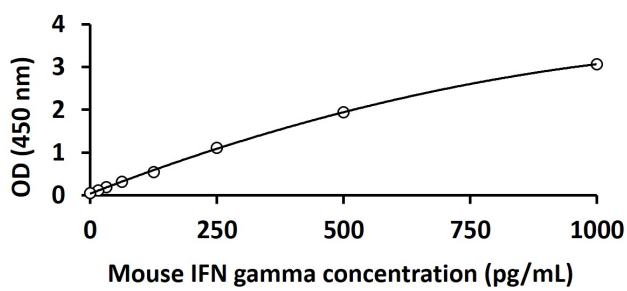
| | |
|------------|-----------|
| Assay Time | 4.5 hours |
|------------|-----------|

Properties

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| Form | 96 well |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|----------------|--|
| Gene Symbol | IFNG |
| Gene Full Name | interferon, gamma |
| Background | This gene encodes a soluble cytokine that is a member of the type II interferon class. The encoded protein is secreted by cells of the both the innate and adaptive immune systems. The active protein is a homodimer that binds to the interferon gamma receptor which triggers a cellular response to viral and microbial infections. Mutations in this gene are associated with an increased susceptibility to viral, bacterial and parasitic infections and to several autoimmune diseases. [provided by RefSeq, Sep 2015] |
| 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. [UniProt] |
| Highlight | Related products: IFN gamma antibodies ; IFN gamma ELISA Kits ; IFN gamma Duos / Panels ; IFN gamma recombinant proteins ; Related news: HMGB1 in inflammation Inflammatory Cytokines New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| Research Area | Cancer kit; Developmental Biology kit; Immune System kit; Signaling Transduction kit |
| PTM | Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161. |



ARG83350 Mouse IFN gamma ELISA Kit standard curve image

ARG83350 Mouse IFN gamma ELISA Kit results of a typical standard run with optical density reading at 450 nm.