

## ARG81180 Mouse IFN beta ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | ARG81180 Mouse IFN beta ELISA Kit is an Enzyme Immunoassay Kit for the quantification of Mouse IFN beta in serum, plasma and cell culture supernatants. |
| Tested Reactivity   | Ms  |
| Tested Application  | ELISA   |
| Specificity         | May cross-react with Mouse IFN alpha and Human IFN beta.  |
| Target Name         | IFN beta  |
| Conjugation         | HRP   |
| Conjugation Note    | Substrate: TMB and read at 450 nm.  |
| Sensitivity         | 3.13 U/ml   |
| Sample Type         | Serum, plasma and cell culture supernatants.  |
| Standard Range      | 6.25 - 400 U/ml   |
| Sample Volume       | 100 µl  |
| Precision           | CV: less than 10%   |
| Alternate Names     | Fibroblast interferon; IFN-beta; IFNB; IFF; IFB; Interferon beta  |

### Application Instructions

|            |             |
|------------|-------------|
| Assay Time | ~ 3.5 hours |
|------------|-------------|

### Properties

|                     |  |
|---------------------|--|
| 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

|                |   |
|----------------|---|
| Database links | <a href="#">GeneID: 15977 Mouse</a><br><a href="#">Swiss-port # P01575 Mouse</a>  |
| Gene Symbol    | IFNB1   |
| Gene Full Name | interferon, beta 1, fibroblast  |
| Background     | This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene |

belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015]

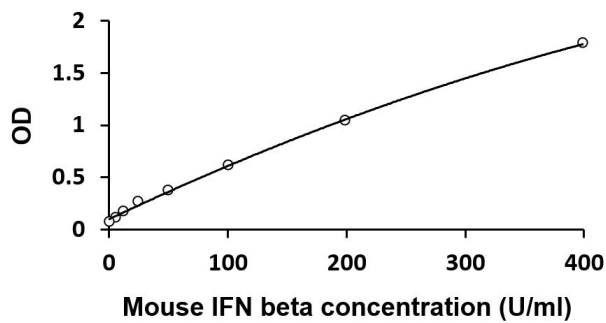
Function Has antiviral, antibacterial and anticancer activities. [UniProt]

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## Images

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ARG81180 Mouse IFN beta ELISA Kit standard curve image

ARG81180 Mouse IFN beta ELISA Kit results of a typical standard run with optical density reading at 450 nm.