

## Mouse Interleukin 12 ELISA Kit | IL-12/P70 elisa kit

Mouse Interleukin 12 ELISA Kit

CATALOG #  
**AAA85282**

REACTIVITY  
**Mouse**

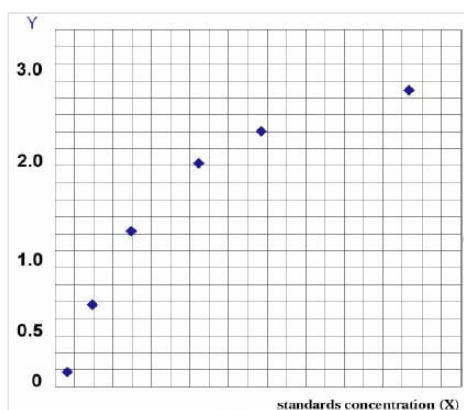
### PRODUCT SYNONYMS

Interleukin 12; Mouse Interleukin 12 ELISA Kit; Interleukin 12 (Mouse); IL-12/P70 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                    |
|-------------------------|------------------------------------|
| Reactivity              | Mouse                              |
| Assay Type              | Sandwich                           |
| Preparation and Storage | Store all reagents at 2-8 degree C |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IL-12/P70 elisa kit

**Intended Uses:** This IL-12 ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of IL-12 in the sample, this IL-12 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus IL-12 concentration. The concentration of IL-12 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**Principle of the Assay:** This IL-12 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for IL-12. Standards or samples are then added to the microtiter plate wells and IL-12 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of IL-12 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for IL-12 are added to each well to "sandwich" the IL-12 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain IL-12 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4323579                                                                                                                                                                                                                                                                                                                                                                             |
| NCBI GeneID                      | 3592                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt Accession #              | P29459; Q96QZ1                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight                 | 24,874 Da                                                                                                                                                                                                                                                                                                                                                                           |
| NCBI Official Full Name          | interleukin 12                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)                                                                                                                                                                                                                                                                           |
| NCBI Official Symbol             | IL12A                                                                                                                                                                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | P35; CLMF; NFSK; NKSF1; IL-12A                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Protein Information         | interleukin-12 subunit alpha; CLMF p35; IL35 subunit; IL-12 subunit p35; IL-12, subunit p35; interleukin 12, p35; interleukin-12 alpha chain; NF cell stimulatory factor chain 1; NK cell stimulatory factor chain 1; cytotoxic lymphocyte maturation factor 1, p35; cytotoxic lymphocyte maturation factor 35 kDa subunit; natural killer cell stimulatory factor 1, 35 kD subunit |
| UniProt Protein Name             | Interleukin-12 subunit alpha                                                                                                                                                                                                                                                                                                                                                        |
| UniProt Gene Name                | IL12A                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | NKSF1; IL-12A; CLMF p35; NKSF1                                                                                                                                                                                                                                                                                                                                                      |
| UniProt Entry Name               | IL12A_HUMAN                                                                                                                                                                                                                                                                                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.