

## Monkey Interleukin 4 ELISA Kit | IL4 elisa kit

Monkey Interleukin 4 ELISA Kit

CATALOG #  
**AAA88405**

REACTIVITY  
**Monkey**

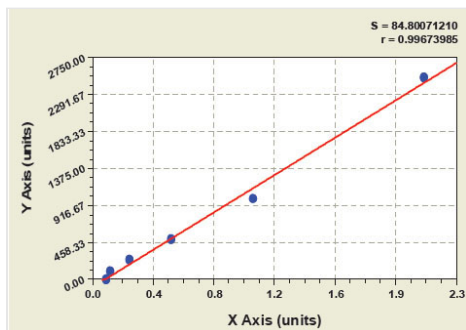
### PRODUCT SYNONYMS

Interleukin 4; Monkey Interleukin 4 ELISA Kit; IL4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                            |
| Assay Type              | Sandwich                                                                                                                                                                              |
| Detection Range         | 50-1000pg/mL                                                                                                                                                                          |
| Sensitivity             | 1.0pg/mL                                                                                                                                                                              |
| Intended Uses           | This IL4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey IL4. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for IL4 elisa kit

**Principle of the Assay:** IL4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for IL4. Standards or samples are then added to the microtiter plate wells and IL4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of IL4 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for IL4 are added to each well to "sandwich" the IL4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain IL4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IL4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                            |                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------|
| NCBI GI #                  | 55742622                                                                                 |
| NCBI GeneID                | 397225                                                                                   |
| NCBI Accession #           | NP_999288.1                                                                              |
| NCBI GenBank Nucleotide #  | NM_214123.1                                                                              |
| Molecular Weight           | 15,023 Da                                                                                |
| NCBI Official Full Name    | interleukin-4                                                                            |
| NCBI Official Symbol       | IL4                                                                                      |
| NCBI Protein Information   | interleukin-4; IL-4; BSF-1; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1 |
| UniProt Protein Name       | Interleukin-4                                                                            |
| UniProt Gene Name          | <b>IL4</b>                                                                               |
| UniProt Synonym Gene Names | IL-4; BSF-1                                                                              |
| UniProt Entry Name         | IL4_PIG                                                                                  |

**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.