

## Rat Interleukin 16 ELISA Kit | IL-16 elisa kit

Rat Interleukin 16 ELISA Kit

CATALOG #  
**AAA82675**

REACTIVITY  
**Rat**

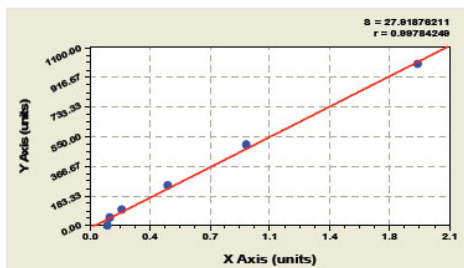
### PRODUCT SYNONYMS

Interleukin 16; Rat Interleukin 16 ELISA Kit; IL-16 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive or Sandwich                                                                                                                                                                |
| Detection Range         | 50-1000 pg/mL                                                                                                                                                                          |
| Sensitivity             | 1.0pg/ml                                                                                                                                                                               |
| Intended Uses           | This IL-16 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat IL-16. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



### ADDITIONAL INFORMATION

#### Related Product Information for IL-16 elisa kit

**Principle of the assay:** IL-16 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for IL-16. Standards or samples are then added to the microtiter plate wells and IL-16 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of IL-16 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for IL-16 are added to each well to "sandwich" the IL-16 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 IL-16 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 IL-16 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for IL-16 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 116283877                                                                                         |
| NCBI GeneID                      | 3603                                                                                              |
| Molecular Weight                 | 66,646 Da                                                                                         |
| NCBI Official Full Name          | IL16 protein, partial                                                                             |
| NCBI Official Synonym Full Names | interleukin 16                                                                                    |
| NCBI Official Symbol             | IL16                                                                                              |
| NCBI Official Synonym Symbols    | LCF; NIL16; PRIL16; prIL-16                                                                       |
| NCBI Protein Information         | pro-interleukin-16; prointerleukin 16; neuronal interleukin 16; lymphocyte chemoattractant factor |
| UniProt Protein Name             | Pro-interleukin-16                                                                                |
| UniProt Gene Name                | IL16                                                                                              |
| UniProt Synonym Gene Names       | IL-16; LCF                                                                                        |
| UniProt Entry Name               | IL16_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/il-16-rat-elisa-kits/interleukin-16/82675>