

## Human IL-18 ELISA Kit | IL-18 elisa kit

Human IL-18 ELISA Kit

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|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA332552</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

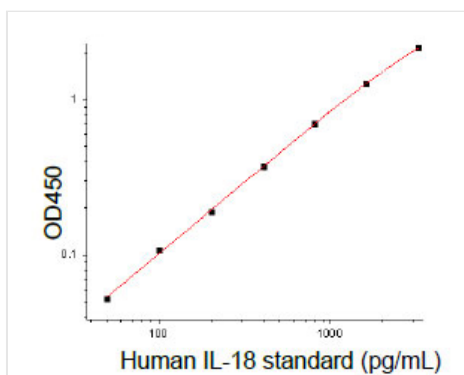
### PRODUCT SYNONYMS

IL-18; Human IL-18 ELISA Kit; IL18; IL 18; IFN gamma inducing factor; Interleukin 18; Interleukin-18; Interleukin 18 (interferon-gamma-inducing factor); IL-18 elisa kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                                                                                                    |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                  | Human                                                                                                                                                                                              |
| Specificity                                 | Human IL-18 ELISA Kit has high sensitivity and excellent specificity for detection of Human IL-18. No significant cross-reactivity or interference between Human IL-18 and analogues was observed. |
| Assay Type                                  | Sandwich                                                                                                                                                                                           |
| Samples                                     | Serum, Plasma, Cell culture supernatants                                                                                                                                                           |
| Detection Range                             | 50 pg/mL - 3200 pg/mL                                                                                                                                                                              |
| Sensitivity                                 | 50 pg/mL                                                                                                                                                                                           |
| Applicable Applications for IL-18 elisa kit | ELISA                                                                                                                                                                                              |
| Intra-assay Precision                       | Intra-assay Precision: The CV (%)?10%.                                                                                                                                                             |
| Inter-assay Precision                       | Inter-assay Precision :The CV (%)?12%                                                                                                                                                              |
| Preparation and Storage                     | The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.                                                                                               |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL-18 elisa kit | Principle of the Assay: IL-18 is a cytokine that belongs to the IL-1 superfamily and is produced by macrophages and other cells. IL-18 works by binding to the interleukin-18 receptor, and together with IL-12 it induces cell-mediated immunity following infection with microbial products like lipopolysaccharide (LPS).Human IL-18 ELISA Kit employs a double antibody sandwich method to quantitate Human IL-18 in samples. An antibody specific for Human IL-18 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human IL-18 present is bound by the immobilized antibody. After removing any unbound substances, a HRP-conjugated antibody specific for Human IL-18 is added to the wells. After washing, remove any unbound HRP-conjugated antibody reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450nm wavelength. The IL-18 concentration is proportional to the OD450 nm value. |
| Product Categories/Family for IL-18 elisa kit   | ELISA Assay Kit; Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 342349321                                                                               |
| NCBI GeneID                      | 3606                                                                                    |
| NCBI Accession #                 | NP_001230140.1                                                                          |
| NCBI GenBank Nucleotide #        | NM_001243211.1                                                                          |
| UniProt Accession #              | Q14116; O75599; Q6FGY3; Q6WWJ7                                                          |
| Molecular Weight                 | 22,326 Da                                                                               |
| NCBI Official Full Name          | interleukin-18 isoform 2 proprotein                                                     |
| NCBI Official Synonym Full Names | interleukin 18 (interferon-gamma-inducing factor)                                       |
| NCBI Official Symbol             | IL18                                                                                    |
| NCBI Official Synonym Symbols    | IGIF; IL-18; IL-1g; IL1F4                                                               |
| NCBI Protein Information         | interleukin-18; IL-1 gamma; iboctadekin; interleukin-1 gamma; IFN-gamma-inducing factor |
| UniProt Protein Name             | Interleukin-18                                                                          |
| UniProt Gene Name                | IL18                                                                                    |
| UniProt Synonym Gene Names       | IGIF; IL1F4; IL-18; IFN-gamma-inducing factor; IL-1 gamma                               |
| UniProt Entry Name               | IL18_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/il-18/332552>