

## Human interleukin 18 (interferon-gamma-inducing factor) ELISA Kit | IL18 elisa kit

Human Interleukin 18, IL-18 ELISA Kit

CATALOG #  
**AAA80538**

REACTIVITY  
**Human**

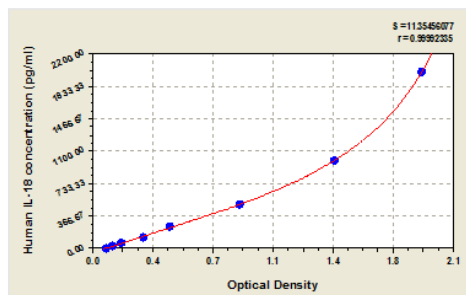
### PRODUCT SYNONYMS

interleukin 18 (interferon-gamma-inducing factor); Human Interleukin 18; IL-18 ELISA Kit; IL-18 ELISA kit; IGIF; IL-18; IL-1g; IL1F4; MGC12320; IL-1 gamma; interferon-gamma-inducing factor; interleukin 18; interleukin-1 gamma; interleukin-18; IL18 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                   |
| Specificity             | This assay 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. |
| Sequence Length         | 189                                                                                                                                                                                     |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                   |
| Samples                 | Serum, plasma, urine, tissue homogenates                                                                                                                                                |
| Detection Range         | 31.25 pg/ml-2000 pg/ml                                                                                                                                                                  |
| Sensitivity             | < 7.8 pg/ml                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                        |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                 |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                       |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for IL18 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IL-18 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IL-18 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IL-18 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IL-18 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                                                                                                                             |
| 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; interleukin 18 (interferon-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/il18-human-elisa-kits/interleukin-18-interferon-gamma-inducing-factor/80538>