

## Guinea pig Interleukin 6 ELISA Kit | IL-6 elisa kit

Guinea pig Interleukin 6 (IL-6) ELISA Kit

|                              |                                 |
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| CATALOG #<br><b>AAA55651</b> | REACTIVITY<br><b>Guinea pig</b> |
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### PRODUCT SYNONYMS

Interleukin 6; Guinea pig Interleukin 6 (IL-6) ELISA Kit; IL-6 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Guinea pig                                                                                                                                                                                           |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Guinea pig IL-6. No significant cross-reactivity or interference between Guinea pig IL-6 and analogues was observed.      |
| Sequence Length         | 212                                                                                                                                                                                                  |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                            |
| Assay Type              | Quantitative Competitive                                                                                                                                                                             |
| Detection Range         | 0.5 pg/mL - 100 pg/mL                                                                                                                                                                                |
| Sensitivity             | 0.2 pg/mL (mean of 6 independent assays)                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                     |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                               |

### ADDITIONAL INFORMATION

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| Related Product Information for IL-6 elisa kit | <p>Intended Uses: For the quantitative detection of Guinea pig Interleukin 6 (IL-6) concentration in serum, plasma and other biological fluids.</p> <p>Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for IL-6 and Horseradish Peroxidase (HRP) conjugated IL-6. The competitive inhibition reaction is launched between with HRP labeled IL-6 and unlabeled IL-6 with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of IL-6 in the sample. The color development is stopped and the intensity of the color is measured.</p> |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">10834984</a>    |
| NCBI GeneID               | <a href="#">3569</a>        |
| NCBI Accession #          | <a href="#">NP_000591.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_000600.3</a> |
| Molecular Weight          | 23,718 Da                   |

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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Full Name          | interleukin-6                                                                                                                                                                                                    |
| NCBI Official Synonym Full Names | interleukin 6                                                                                                                                                                                                    |
| NCBI Official Symbol             | IL6                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | HGF; HSF; BSF2; IL-6; IFNB2                                                                                                                                                                                      |
| NCBI Protein Information         | interleukin-6; CDF; BSF-2; IFN-beta-2; interferon beta-2; interleukin BSF-2; interferon, beta 2; hybridoma growth factor; CTL differentiation factor; B-cell stimulatory factor 2; B-cell differentiation factor |
| UniProt Protein Name             | Interleukin-6                                                                                                                                                                                                    |
| UniProt Gene Name                | <b>IL6</b>                                                                                                                                                                                                       |
| UniProt Synonym Gene Names       | IFNB2; IL-6; BSF-2; CDF; IFN-beta-2                                                                                                                                                                              |
| UniProt Entry Name               | IL6_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://www.aaabiotech.com/il-6-guinea-pig-pig-elisa-kits/interleukin-6/55651>