

## Human Growth Hormone (GH) ELISA Kit | GH elisa kit

Human Anti-Growth Hormone Antibody (Anti-GH) ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA188346</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

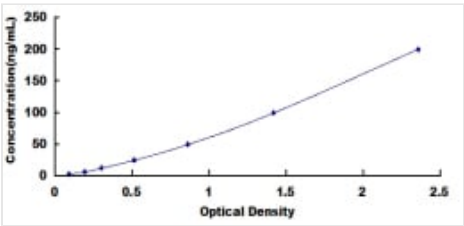
### PRODUCT SYNONYMS

Growth Hormone (GH); Human Anti-Growth Hormone Antibody (Anti-GH) ELISA Kit; Growth Hormone; GH1; GH-N; GHN; hGH-N; Somatotropin; Hygetropin; Jintropin; Kigtropin; Pituitary Growth Hormone; Normal; GH elisa kit

### PRODUCT SPECIFICATIONS

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                               | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity                              | This assay has high sensitivity and excellent specificity for detection of Anti-Growth Hormone Antibody (Anti-GH). No significant cross-reactivity or interference between Anti-Growth Hormone Antibody (Anti-GH) and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                          | 217                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Assay Type                               | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Samples                                  | Serum, plasma and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Range                          | 3.12-200ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity                              | The minimum detectable dose of this kit is typically less than 1.12ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for GH elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Precision                                | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-Growth Hormone Antibody (Anti-GH) were tested 20 times on one plate, respectively.<br>Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-Growth Hormone Antibody (Anti-GH) were tested on 3 different plates, 8 replicates in each plate.<br>$CV(\%) = SD/mean \times 100$<br>Intra-Assay: CV<10%<br>Inter-Assay: CV<12%                                                                                                                                                                                                                                           |
| Test Principle                           | The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-Growth Hormone Antibody (Anti-GH) will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Anti-Growth Hormone Antibody (Anti-GH) in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| Preparation and Storage                  | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.                                                                                                                                                                                                                         |

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 134703                                            |
| NCBI GeneID                      | 2688                                              |
| UniProt Accession #              | P01241                                            |
| NCBI Official Full Name          | Somatotropin                                      |
| NCBI Official Synonym Full Names | growth hormone 1                                  |
| NCBI Official Symbol             | GH1                                               |
| NCBI Official Synonym Symbols    | GH; GHN; GH-N; GHB5; IGHD2; hGH-N; IGHD1A; IGHD1B |
| NCBI Protein Information         | somatotropin                                      |
| UniProt Protein Name             | Somatotropin                                      |
| UniProt Gene Name                | GH1                                               |
| UniProt Synonym Gene Names       | GH; GH-N                                          |
| UniProt Entry Name               | SOMA_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/human-elisa-kits/growth-hormone-gh/188346>