



## Human Growth Hormone ELISA Kit (2 plates)

**Catalogue No.:** BEK-2114-2P

**Description:** The human Growth Hormone Kit is a sandwich ELISA. The capture antibody is a polyclonal human Growth Hormone antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known Growth Hormone concentration are added to these wells and allowed to complex with the bound Growth Hormone antibody. A biotinylated human Growth Hormone polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of Growth Hormone present in the samples. The purpose of this kit is the in-vitro quantitative determination of human Growth Hormone in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Batch No.:** See product labels

**Antigen:** Growth Hormone belongs to the somatotropin/prolactin family of hormones which play an important role in growth control. Human Growth Hormone is synthesized by acidophilic or somatotrophic cells of the anterior pituitary gland and at least 4 isoforms are produced by alternative splicing.

**Other Names:** Somatotropin; GH; GH-N; Pituitary growth hormone; Growth hormone 1; GH1;

**Accession:** P01241 SOMA\_HUMAN;

**Specificity:** Human Growth Hormone

**Storage:** Store at 2-8C

**Kit components:** The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.

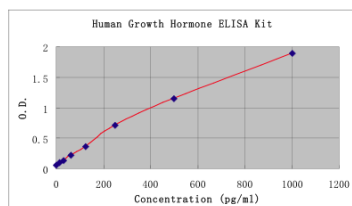
**Range:** 15.6 pg/mL - 1,000 pg/mL

**Sensitivity:** < 2 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

Typical Human Growth Hormone ELISA Kit Standard Curve  
(TMB reaction incubated at 37°C for 18 min)

Concentration (pg/ml)	0.0	15.6	31.3	62.5	125	250	500	1000
O.D.	0.057	0.098	0.136	0.214	0.365	0.705	1.148	1.895



This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.

FOR RESEARCH USE ONLY