

Human IGFBP3 ELISA Kit

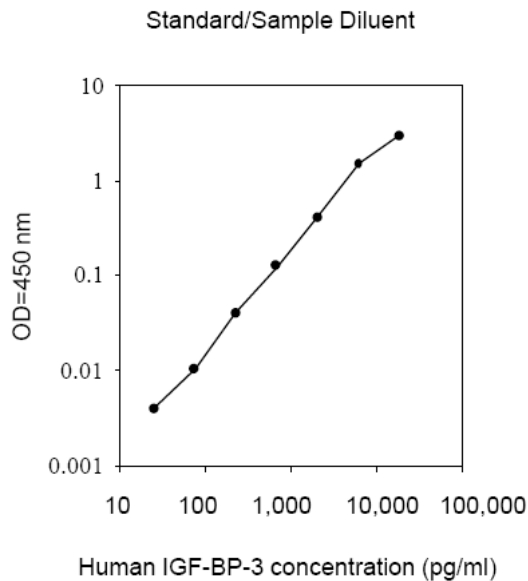
Catalog No. CKH150

Quantity: 1 x 96 tests

Description This assay employs an antibody specific for human IGFBP3 coated on a 96-well plate. Standards and samples are pipetted into the wells and IGFBP3 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human IGFBP3 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IGFBP3 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Application The Cell Sciences Human IGFBP3 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of human IGFBP3 in serum, plasma, cell culture supernatants and urine.

Typical Data



Sensitivity The minimum detectable dose of IGFBP3 is typically less than 80 pg/ml.

Recovery Determined by spiking various levels of human IGFBP3 into human serum, plasma, and cell culture media. Mean recoveries are as follows:

Sample Type	Average % Recovery	Range (%)
Serum	97.46	85-105
Plasma	96.69	84-106
Cell culture media	97.46	86-107



Linearity

Sample Type		Serum	Plasma	Cell culture media
1:2	Avg. % of Expected Range (%)	95 84-103	94 85-103	94 85-106
1:4	Avg. % of Expected Range (%)	96 85-104	95 86-105	95 87-105
1:8	Avg. % of Expected Range (%)	96 86-105	97 88-106	96 87-108

Reproducibility Intra-Assay: CV < 10%
Inter-Assay: CV < 12%

Storage and Stability

- Product can be stored for up to 5 months from date of receipt at 2-4°C.
- Standard (recombinant protein) should be stored at -20°C or -80°C after reconstitution.
- Opened Microplate Wells and reagents can be stored for up to one month at 2-4°C.

NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

