

Human FGF2 ELISA Kit

Catalog No. CKH123

Quantity : 1 x 96 well strip plate

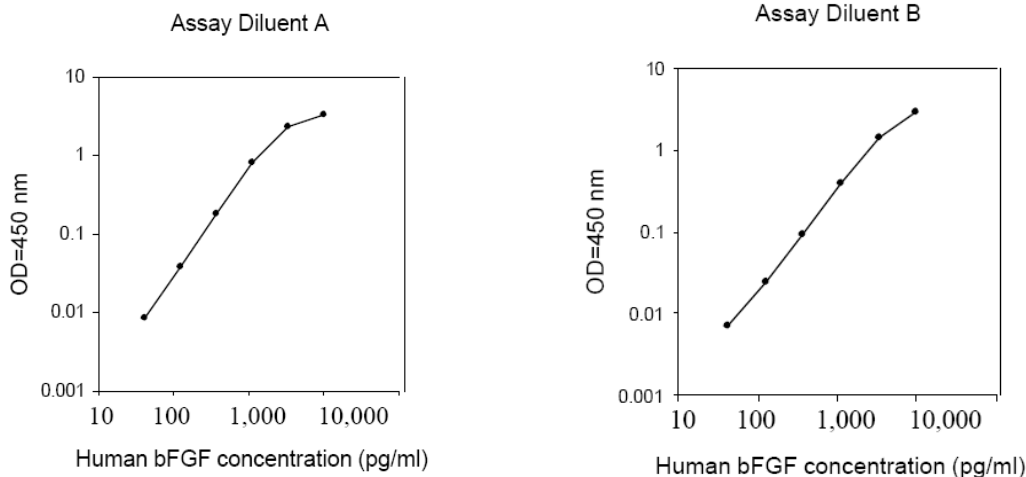
Description This assay employs an antibody specific for human FGF2 coated on a 96-well plate. Standards and samples are pipetted into the wells and FGF2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human FGF2 antibody is added. After 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 FGF2 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 FGF2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of human FGF2 in serum, plasma, cell culture supernatants and urine.

Features

- Minimum detectable dose of FGF2 is typically less than 50 pg/ml.
- Working volume of 100 µl/well.

Typical standard curve



Principle

- Samples and standards are captured by a solid bound specific antibody.
- Biotinylated tracer antibody will bind to captured FGF2.
- Streptavidin-peroxidase conjugate will bind to the biotinylated tracer antibody.
- Streptavidin-peroxidase conjugate will react with the substrate, tetramethylbenzidine (TMB).
- The enzyme reaction is stopped by the addition of Stop Solution.
- The absorbance at 450 nm is measured with a spectrophotometer. A standard curve is obtained by plotting the absorbance (linear) versus the corresponding concentrations of the FGF2 standards (log).
- The FGF2 concentration of samples, which are run concurrently with the standards, can be determined from the standard curve.



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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.

Precautions

For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and Federal rules in the use of this product. Cell Sciences is not responsible for any patent infringements that might result with the use of or derivation of this product.

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