

## Human Free beta-Chorionic Gonadotropin (F beta-hCG) ELISA Kit | F beta-hCG elisa kit

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CATALOG #  
**AAA245380**

REACTIVITY  
**Human**

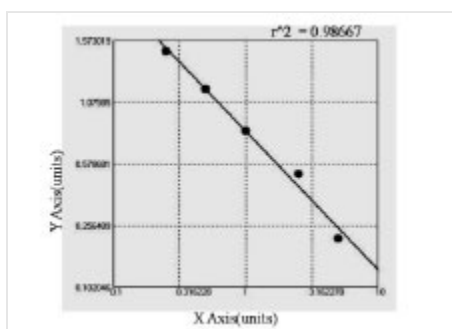
### PRODUCT SYNONYMS

Free beta-Chorionic Gonadotropin (F beta-hCG); Human Free beta-Chorionic Gonadotropin (F beta-hCG) ELISA Kit; F beta-hCG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive (Quantitative)                                                 |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for F beta-hCG elisa kit

**Intended Uses:** This Fbeta-hCG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Fbeta-hCG. This ELISA kit for research use only!

**Principle of the Assay:** Fbeta-hCG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Fbeta-hCG antibody and an Fbeta-hCG-HRP conjugate. The assay sample and buffer are incubated together with Fbeta-hCG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Fbeta-hCG concentration since Fbeta-hCG from samples and Fbeta-hCG-HRP conjugate compete for the anti-Fbeta-hCG antibody binding site. Since the number of sites is limited, as more sites are occupied by Fbeta-hCG from the sample, fewer sites are left to bind Fbeta-hCG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Fbeta-hCG concentration in each sample is interpolated from this standard curve.

**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.

