

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

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CATALOG #
AAA97604

REACTIVITY
Human

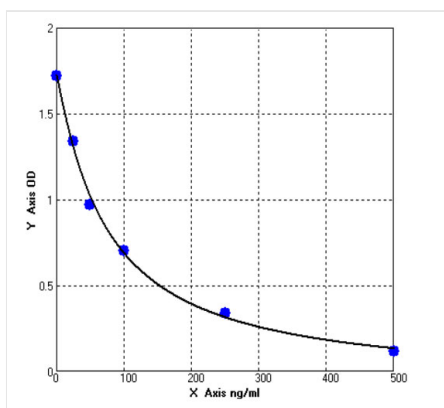
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of beta-hCG. No significant cross-reactivity or interference between beta-hCG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between beta-hCG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This BNP1-32 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BNP1-32. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-hCG elisa kit	Principle of the Assay: beta-hCG ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-beta-hCG antibody and an beta-hCG-HRP conjugate. The assay sample and buffer are incubated together with beta-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 beta-hCG concentration since beta-hCG from samples and beta-hCG-HRP conjugate compete for the anti-beta-hCG antibody binding site. Since the number of sites is limited, as more sites are occupied by beta-hCG from the sample, fewer sites are left to bind beta-hCG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The beta-hCG concentration in each sample is interpolated from this standard curve. Intended Uses: This beta-hCG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human beta-hCG. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	176573
Molecular Weight	17,593 Da
NCBI Official Full Name	beta-CG
UniProt Protein Name	Choriogonadotropin subunit beta
UniProt Gene Name	CGB
UniProt Synonym Gene Names	CG-beta
UniProt Entry Name	CGHB_PAPAN

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://stage.aaabiotech.com/human-elisa-kits/beta-chorionic-gonadotropin-beta-hcg/97604>