

Human beta-hCG ELISA Kit | beta-hCG elisa kit

Human beta-hCG ELISA Kit

CATALOG # AAA332590	REACTIVITY Human	APPLICATIONS ELISA
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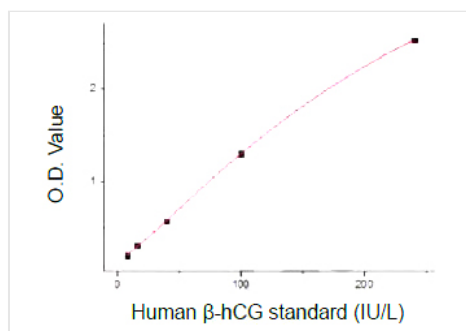
PRODUCT SYNONYMS

beta-hCG; Human beta-hCG ELISA Kit; CGB; CGB3; choriogonadotropin subunit beta; CGB5; CGB7; CGB8; CG-Beta; Choriogonadotropin Subunit Beta; Chorionic gonadotrophin chain beta; chorionic gonadotropin beta 3 subunit; Chorionic Gonadotropin beta Chain; chorionic gonadotropin beta subunit; chorionic gonadotropin; beta polypeptide; hCGB; beta-hCG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human beta-hCG ELISA Kit has high sensitivity and excellent specificity for detection of Human beta-hCG. No significant cross-reactivity or interference between Human beta-hCG and analogues was observed.
Assay Type	Sandwich
Samples	Urine, Serum, Plasma
Detection Range	8 IU/L-240 IU/L
Sensitivity	2.0 IU/L
Applicable Applications for beta-hCG elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?15%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?15%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-hCG elisa kit	Principle of the Assay: Human chorionic gonadotropin (hCG) is a glycoprotein hormone produced by trophoblastic cells of the placenta beginning 10 to 12 days after conception. Maintenance of the fetus in the first trimester of pregnancy requires the production of hCG, which binds to the corpus luteum of the ovary which is stimulated to produce progesterone which in turn maintains the secretory endometrium. hCG is present only in trace amounts in non-pregnant urine and sera. It rises sharply during pregnancy. hCG is composed of two non-identical, non-covalently linked polypeptide chains designated as the alpha and beta subunits. The alpha subunit of hCG is nearly identical to that of thyroid stimulating hormone (TSH), follicle stimulating hormone (FSH) and luteinizing hormone (LH). Human beta-hCG ELISA Kit employs a two-site sandwich ELISA to quantitate Human beta-hCG in samples. An antibody specific for Human beta-hCG has been pre-coated onto a microplate. Standards and samples are added to the appropriate microtiter plate wells with HRP conjugated antibody specific for Human beta-hCG and any Human beta-hCG present is bound by the immobilized antibody. Following a wash to remove any unbound enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Human beta-hCG in the sample. The color development is stopped and the intensity of the color is measured.
Product Categories/Family for beta-hCG elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	1027923599
NCBI GeneID	1082
UniProt Accession #	P0DN86; P01233; Q13991; Q14000; Q3KPI3; Q3SY41; Q8WTT5; Q8WXL1; Q8WXL2; Q8WXL3; A1A5E0; B9ZVP5
Molecular Weight	19,053 Da
NCBI Official Full Name	Choriogonadotropin subunit beta 3
NCBI Official Synonym Full Names	chorionic gonadotropin beta subunit 3
NCBI Official Symbol	CGB3
NCBI Official Synonym Symbols	CGB; CGB5; CGB7; CGB8; hCGB
NCBI Protein Information	choriogonadotropin subunit beta 3
UniProt Protein Name	Choriogonadotropin subunit beta 3
UniProt Gene Name	CGB3
UniProt Synonym Gene Names	CGB; CG-beta

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-hcg/332590>