

Human Chorionic Gonadotropin Beta Polypeptide (CGb) ELISA Kit | CGb elisa kit

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CATALOG #
AAA140865

REACTIVITY
Human

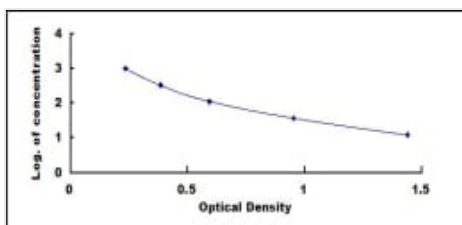
PRODUCT SYNONYMS

Chorionic Gonadotropin Beta Polypeptide (CGb); Human Chorionic Gonadotropin Beta Polypeptide (CGb) ELISA Kit; CG-B; CGB3; hCGB; HCG; CGb5; CGb7; CGb8; Choriogonadotropin subunit beta; CGb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Chorionic Gonadotropin Beta Polypeptide (CGb). No significant cross-reactivity or interference between Chorionic Gonadotropin Beta Polypeptide (CGb) and analogues was observed.
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	12.35-1000ng/mL
Sensitivity	4.64ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Chorionic Gonadotropin Beta Polypeptide (CGb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Chorionic Gonadotropin Beta Polypeptide (CGb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CGb elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Chorionic Gonadotropin Beta Polypeptide (CGb) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Chorionic Gonadotropin Beta Polypeptide (CGb) and unlabeled Chorionic Gonadotropin Beta Polypeptide (CGb) (Standards or samples) with the pre-coated antibody specific to Chorionic Gonadotropin Beta Polypeptide (CGb). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Chorionic Gonadotropin Beta Polypeptide (CGb) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Chorionic Gonadotropin Beta Polypeptide (CGb) in the sample.
Product Categories/Family for CGb elisa kit	Reproductive science

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/chorionic-gonadotropin-beta-polypeptide-cgb/140865>