

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

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CATALOG #
AAA68006

REACTIVITY
Human

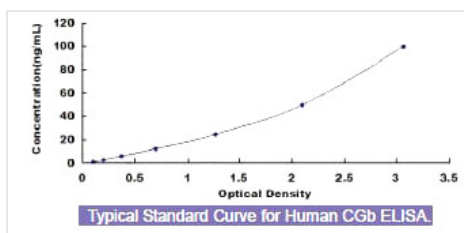
PRODUCT SYNONYMS

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 CGb. No significant cross-reactivity or interference between CGb and analogues was observed.
Sequence Length	181
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.68ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CGb were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CGb were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CGb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CGb in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CGb. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CGb. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CGb, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CGb in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502789
NCBI GeneID	1082
NCBI Accession #	NP_000728.1
NCBI GenBank Nucleotide #	NM_000737.3
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/chorionic-gonadotropin-beta-polypeptide-cgb/68006>