

Human Corticosteroid Binding Globulin (CBG) ELISA Kit | CBG elisa kit

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CATALOG #
AAA139877

REACTIVITY
Human

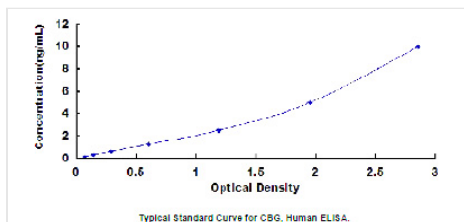
PRODUCT SYNONYMS

Corticosteroid Binding Globulin (CBG); Human Corticosteroid Binding Globulin (CBG) ELISA Kit; SERPINA6; Transcortin; Serpin A6; Serpin Peptidase Inhibitor; Clade A; Member 6(Alpha-1 Antiproteinase; Antitrypsin); CBG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CBG. No significant cross-reactivity or interference between CBG and analogues was observed.
Sequence Length	405
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.073ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CBG 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 CBG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 CBG elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CBG in human serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CBG. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CBG. 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 CBG, 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 CBG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CBG elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	73858564
NCBI GeneID	866
NCBI Accession #	NP_001747.2
NCBI GenBank Nucleotide #	NM_001756.3
UniProt Accession #	P08185; Q7Z2Q9; A8K456
Molecular Weight	45,141 Da
NCBI Official Full Name	corticosteroid-binding globulin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6
NCBI Official Symbol	SERPINA6
NCBI Official Synonym Symbols	CBG
NCBI Protein Information	corticosteroid-binding globulin
UniProt Protein Name	Corticosteroid-binding globulin
UniProt Gene Name	SERPINA6
UniProt Synonym Gene Names	CBG; CBG
UniProt Entry Name	CBG_HUMAN

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.