



Human Corticosteroid Binding Globulin(CBG) ELISA Kit

Product Code	CSB-E14214h
Abbreviation	SERPINA6
Protein Biological Process 1	Transport
Target Name	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6
Uniprot No.	P08185
Alias	CBG, corticosteroid binding globulin serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6 transcortin
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Transport
Sample Types	serum, plasma, tissue homogenates
Detection Range	20 pmol/mL-8000 pmol/mL
Sensitivity	20 pmol/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Signal Transduction
Gene Names	SERPINA6
Tag Info	quantitative
Protein Description	Competitive
Description	This Human SERPINA6 ELISA Kit was designed for the quantitative measurement of Human SERPINA6 protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 20 pmol/mL-8000 pmol/mL and the sensitivity is 20 pmol/mL .
Target Details	This gene encodes an alpha-globulin protein with corticosteroid-binding properties. This is the major transport protein for glucocorticoids and progestins in the blood of most vertebrates. The gene localizes to a chromosomal region



containing several closely related serine protease inhibitors which may have evolved by duplication events.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<15%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<15%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human CBG in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	95
	Range %	91-100
1:2	Average %	93
	Range %	88-99
1:4	Average %	93
	Range %	89-100
1:8	Average %	97
	Range %	91-108

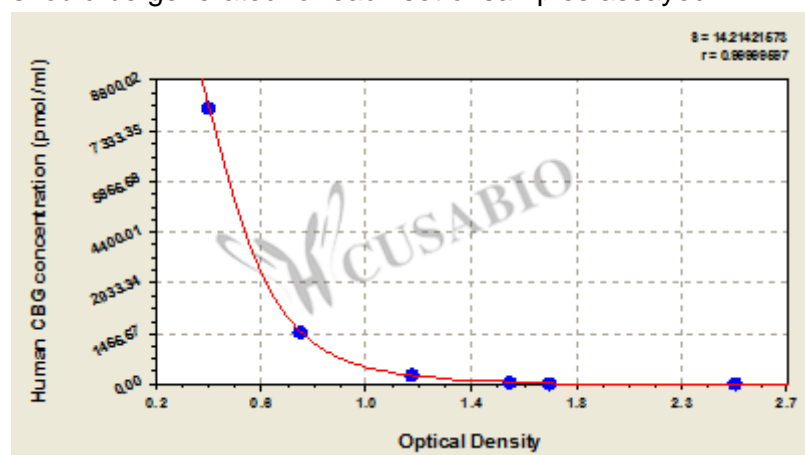
Recovery

The recovery of human CBG spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	96	92-99
EDTA plasma (n=4)	92	89-95

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pmol/ml	OD1	OD2	Average
8000	0.411	0.407	0.409
1500	0.772	0.765	0.769
250	1.209	1.198	1.204
70	1.588	1.584	1.586
20	1.746	1.736	1.741
0	2.462	2.466	2.464