Corticosteroid-Binding Globulin (Serpin A6) (SERPINA6) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Corticosteroid-Binding Globulin (Serpin A6) (SERPINA6), ELISA Kit
Full Product Name	Human Corticosteroid-Binding Globulin (Serpin A6) ELISA Kit
Product Gene Name	SERPINA6 elisa kit
Species Reactivity	Human
Assay Type	sandwich
Samples	cell culture supernates, serum and plasma (heparin, EDTA) and urine
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	<50pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)
Molecular Weight	45,141 Da
OMIM	122500
3D Structure	ModBase 3D Structure for P08185
Detection Target	Corticosteroid-Binding Globulin (Serpin A6)
Immunogen Sequence	369
Cross-Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Related Product Information for SERPINA6 elisa kit	This Human Corticosteroid-Binding Globulin (Serpin A6) ELISA Kit is intended for quantitative detection of human Serpin A6 in cell culture supernates, serum and plasma (heparin, EDTA) and urine. Strip well format. Reagents for up to 96 tests. This human Serpin A6 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Serpin A6 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: M23-V405) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Serpin A6 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substmousee TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Fibronectin amount of sample captured in plate. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. Expression system for standard: Corticosteroid-binding globulin (CBG), also known as Serpin A6 is a protein that in humans is encoded by the SERPINA6 gene. It is mapped to 14q32.13. This gene encodes an alpha-globulin protein with corticosteroid-binding properties. This is the major transport protein for glucorticoids 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.
Other Notes	Small volumes of SERPINA6 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for SERPINA6 purchase	MBS138724 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Corticosteroid-Binding Globulin (Serpin A6) (SERPINA6) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SERPINA6. The ELISA analytical biochemical technique of the MBS138724 kit is based on SERPINA6 antibody-SERPINA6 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SERPINA6 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SERPINA6. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SERPINA6. It may not necessarily be applicable to this product.

NCBI GI #	115851
NCBI GeneID	866
NCBI Accession #	P08185.1
UniProt Primary Accession #	P08185
UniProt Secondary Accession #	Q7Z2Q9; A8K456
UniProt Related Accession #	P08185
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
UniProt Protein Name	Corticosteroid-binding globulin
UniProt Synonym Protein Names	Serpin A6; Transcortin
Protein Family	Corticosteroid-binding globulin
UniProt Gene Name	SERPINA6
UniProt Synonym Gene Names	CBG; CBG
UniProt Entry Name	CBG_HUMAN
NCBI Protein Information	corticosteroid-binding globulin; serpin A6; transcortin; corticosteroid binding globulin; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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