

## Mouse Corticosteroid Binding Globulin (CBG) ELISA Kit | SERPINA6 elisa kit

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CATALOG #  
**AAA246631**

REACTIVITY  
**Mouse**

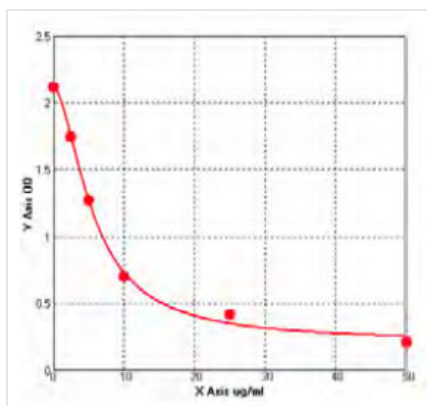
### PRODUCT SYNONYMS

Corticosteroid Binding Globulin (CBG); Mouse Corticosteroid Binding Globulin (CBG) ELISA Kit; SERPINA6 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                 |
| 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CBG and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 0.1 ug/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SERPINA6 elisa kit | <p>Principle of the Assay: CBG ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CBG antibody and an CBG-HRP conjugate. The assay sample and buffer are incubated together with CBG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CBG concentration since CBG from samples and CBG-HRP conjugate compete for the anti-CBG antibody binding site. Since the number of sites is limited, as more sites are occupied by CBG from the sample, fewer sites are left to bind CBG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CBG concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This CBG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CBG. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 73858564                                                                                                                                                                                     |
| NCBI GeneID                      | 866                                                                                                                                                                                          |
| NCBI Accession #                 | NP_001747.2                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001756.3                                                                                                                                                                                  |
| 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; serpin A6; transcortin; corticosteroid binding globulin; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 6 |
| 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.