

Datasheet for ABIN2946683
SERPINA6 ELISA Kit



[Go to Product page](#)

Overview

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| Quantity: | 96 tests |
| Target: | SERPINA6 |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 6.25 ng/mL - 400 ng/mL |
| Minimum Detection Limit: | 6.25 ng/mL |
| Application: | ELISA |

Product Details

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| Purpose: | Human Corticosteroid Binding Globulin ELISA Kit is an ELISA Kit against Corticosteroid Binding Globulin. |
| Sample Type: | Plasma, Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Sensitivity: | 3.75 ng/mL |
| Components: | <ol style="list-style-type: none">1. One pre-coated 96-well microplate (12 × 8 well strips)2. Standard: 2 tubes3. Sample/Standard Diluent Buffer: 20 ml4. Biotin conjugated antibody (Dilution 1:100): 120 µl5. Antibody diluent buffer: 12 ml6. HRP Conjugate Reagent (Dilution 1:100): 120 µl |

Product Details

- 7. HRP diluent buffer: 12 ml
- 8. TMB substrate: 10 ml
- 9. Stop solution: 10 ml
- 10. Wash buffer (25X): 30 ml
- 11. Plate Sealer: 5

Material not included:

- 1. 37°C incubator
- 2. Microplate reader (wavelength: 450 nm)
- 3. Multi and single channel pipettes and sterile pipette tips
- 4. Squirt bottle or automated microplate washer
- 5. ELISA shaker
- 6. 1.5 ml tubes to prepare standard/sample dilutions
- 7. Absorbent filter papers
- 8. 100 ml and 1 liter graduated cylinders

Target Details

- Target: SERPINA6
- Alternative Name: Corticosteroid-Binding Globulin ([SERPINA6 Products](#))

Application Details

- Application Notes:

Stability: The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5 % within the expiration date under appropriate storage conditions. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout.

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Standard Form: Lyophilized
- Plate: Pre-coated
- Protocol: This kit is based on sandwich enzyme-linked immuno-sorbent assay technology. An antibody specific to SERPINA6 is pre-coated onto a 96-well plate. The standards and samples are added to the wells, incubated and washed with wash buffer. A biotin conjugated antibody specific to SERPINA6 is used for detection. TMB substrate is used to visualize HRP activity. TMB is catalyzed by HRP to produce a blue colour product that changes into yellow after adding stop solution. The intensity of the color yellow is proportional to the SERPINA6 amount bound on the

Application Details

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| | plate. The O.D. absorbance is measured spectrophotometrically at 450 nm in a microplatereader, and then the concentration of SERPINA6 can be calculated. |
| Assay Precision: | Intra-Assay: CV < 10% Inter-Assay: CV < 10% |
| Restrictions: | For Research Use only |

Handling

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| Storage: | 4 °C/-20 °C |
| Storage Comment: | Upon receipt, store the kit according to the storage instruction in the kit's manual. |
| Expiry Date: | 6 months |