

## Human Serpin B6 (SERPINB6) ELISA Kit | SERPINB6 elisa kit

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CATALOG #  
**AAA330906**

REACTIVITY  
**Human**

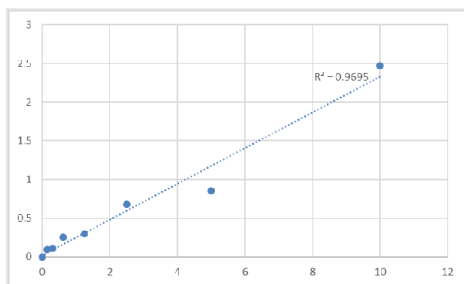
### PRODUCT SYNONYMS

Serpin B6 (SERPINB6); Human Serpin B6 (SERPINB6) ELISA Kit; SERPINB6; RP1-90J20.6; CAP; DKFZp686I04222; MGC111370; MSTP057; PI6; PTI; SPI3; OTTHUMP00000017778; OTTHUMP00000017779; OTTHUMP00000017781; OTTHUMP00000017782; protease inhibitor 6 (placental thrombin inhibitor); SERPINB6 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Serpin B6 (SERPINB6) ELISA Kit has high sensitivity and excellent specificity for detection of Human SERPINB6. No significant cross-reactivity or interference between Human SERPINB6 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence Length         | 380                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

Fig.1. Human Serpin B6 (SERPINB6) Standard Curve.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SERPINB6 elisa kit | <p>Description: This Human Serpin B6 (SERPINB6) ELISA Kit employs a two-site sandwich ELISA to quantitate SERPINB6 in samples. An antibody specific for SERPINB6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SERPINB6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SERPINB6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SERPINB6 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: PTI is a member of an emerging class of intracellular serpins. On the basis of its interaction with thrombin, through which it was discovered, the inhibitor was operationally named the placental thrombin inhibitor (PTI). Amino acid sequence comparisons suggested that its reactive center is located at arg341 and cys342, that it lacks a classic N-terminal signal sequence, and that it has the highest degree of similarity to intracellular serine proteinase inhibitors (serpins), such as the human monocyte/neutrophil elastase inhibitor (ELANH2). Analysis of human tissue mRNA indicated that PTI is expressed widely, with the highest levels in cardiac and skeletal muscle and placenta. Spi3, is developmentally regulated, and that, unlike the situation in the human, Spi3 is absent from the mouse placenta.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 425876796                                  |
| NCBI GeneID                      | 5269                                       |
| NCBI Accession #                 | NP_001182220                               |
| NCBI GenBank Nucleotide #        | NP_001182220.2                             |
| UniProt Accession #              | P35237                                     |
| NCBI Official Full Name          | serpin B6 isoform b                        |
| NCBI Official Synonym Full Names | serpin family B member 6                   |
| NCBI Official Symbol             | SERPINB6                                   |
| NCBI Official Synonym Symbols    | CAP; PI6; PTI; PI-6; SPI3; DFNB91; MSTP057 |
| NCBI Protein Information         | serpin B6                                  |
| UniProt Protein Name             | Serpin B6                                  |
| UniProt Gene Name                | SERPINB6                                   |
| UniProt Synonym Gene Names       | PI6; PTI; CAP; PI-6                        |
| UniProt Entry Name               | SPB6_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.