

## Human somatostatin ELISA Kit | SST elisa kit

Human Somatostatin, SS ELISA Kit

CATALOG #  
**AAA15448**

REACTIVITY  
**Human**

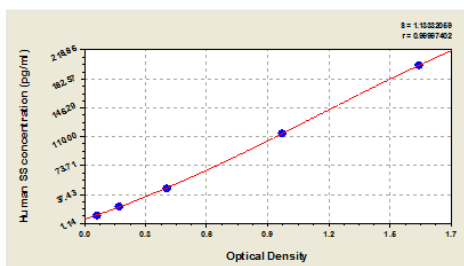
### PRODUCT SYNONYMS

somatostatin; Human Somatostatin; SS ELISA Kit; SMST; somatostatin-14; somatostatin-28; SST elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human SST. No significant cross-reactivity or interference between Human SST and analogues was observed.                                                                                                                                       |
| Sequence Length         | 116                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma                                                                                                                                                                                                                                                                                                             |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                  |
| Detection Range         | 11.4 pg/ml-200 pg/ml                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | 7.14 pg/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume           | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SST elisa kit | <b>Principle of the Assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with a Horseradish Peroxidase (HRP) conjugated antibody specific for SS. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SS bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4507243                                                                                                       |
| NCBI GeneID                      | 6750                                                                                                          |
| NCBI Accession #                 | NP_001039.1                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_001048.3                                                                                                   |
| UniProt Accession #              | P61278; P01166; B2R5G3                                                                                        |
| Molecular Weight                 | 12,736 Da                                                                                                     |
| NCBI Official Full Name          | somatostatin preproprotein                                                                                    |
| NCBI Official Synonym Full Names | somatostatin                                                                                                  |
| NCBI Official Symbol             | SST                                                                                                           |
| NCBI Official Synonym Symbols    | SMST                                                                                                          |
| NCBI Protein Information         | somatostatin; somatostatin-14; somatostatin-28; prepro-somatostatin; growth hormone release-inhibiting factor |
| UniProt Protein Name             | Somatostatin                                                                                                  |
| UniProt Gene Name                | SST                                                                                                           |
| UniProt Entry Name               | SMS_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.

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Online datasheet: <https://www.aaabiotech.com/sst-human-elisa-kits/somatostatin/15448>