

## Rat Phenol Sulfotransferase (PST) RTU ELISA Kit | PST rtu elisa kit

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CATALOG #  
**AAA218038**

REACTIVITY  
**Rat**

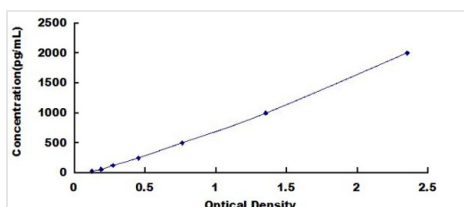
### PRODUCT SYNONYMS

Phenol Sulfotransferase (PST); Rat Phenol Sulfotransferase (PST) ELISA Kit; SULT1A1; HAST1/HAST2; ST1A3; STP1; TSPST1; Sulfotransferase 1A1; Aryl sulfotransferase 1; Phenol sulfotransferase 1; Thermostable phenol sulfotransferase; PST rtu elisa kit

### PRODUCT SPECIFICATIONS

|                           |                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                | Rat                                                                                                                                                                                                                                                                                                                                                 |
| Sequence Length           | 291                                                                                                                                                                                                                                                                                                                                                 |
| Assay Type                | Sandwich                                                                                                                                                                                                                                                                                                                                            |
| Samples                   | Tissue Homogenates, Cell Lysates or Other Biological Fluids.                                                                                                                                                                                                                                                                                        |
| Detection Range           | 31.2-2000pg/mL                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity               | 12.4pg/mL                                                                                                                                                                                                                                                                                                                                           |
| RTU ELISA Kit's Advantage | The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.                                                                                                                                                            |
| Preparation and Storage   | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PST rtu elisa kit

**Test Principle:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to PST. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PST. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PST, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of PST in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 13929194                                       |
| NCBI GeneID                      | 83783                                          |
| NCBI Accession #                 | NP_114022.1                                    |
| NCBI GenBank Nucleotide #        | NM_031834.1                                    |
| UniProt Accession #              | P17988; Q548D2                                 |
| Molecular Weight                 | 33,906 Da                                      |
| NCBI Official Full Name          | sulfotransferase 1A1                           |
| NCBI Official Synonym Full Names | sulfotransferase family 1A member 1            |
| NCBI Official Symbol             | Sult1a1                                        |
| NCBI Official Synonym Symbols    | Stm; Stp1; ASTIV; Mx-ST; PST-1; St1a1; Sult1a3 |
| NCBI Protein Information         | sulfotransferase 1A1                           |
| UniProt Protein Name             | Sulfotransferase 1A1                           |
| UniProt Gene Name                | <b>Sult1a1</b>                                 |
| UniProt Synonym Gene Names       | St1a1; ST1A1; ASTIV; Mx-ST                     |

**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://stage.aaabiotech.com/rat-rtu-elisa-kits/phenol-sulfotransferase-pst/218038>