

Rat Phenol Sulfotransferase (PST) ELISA Kit | PST elisa kit

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CATALOG #
AAA64998

REACTIVITY
Rat

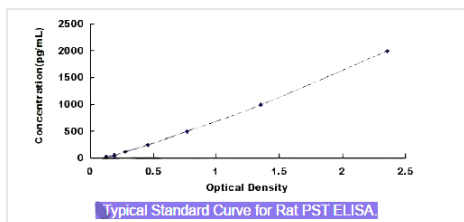
PRODUCT SYNONYMS

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 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PST. No significant cross-reactivity or interference between PST and analogues was observed.
Sequence Length	291
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.2-2000pg/mL
Sensitivity	< 12.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PST were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PST were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PST elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PST in rat tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: 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 +/- 10nm. The concentration of PST in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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	Sult1a1
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.