

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

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CATALOG #
AAA137580

REACTIVITY
Rat

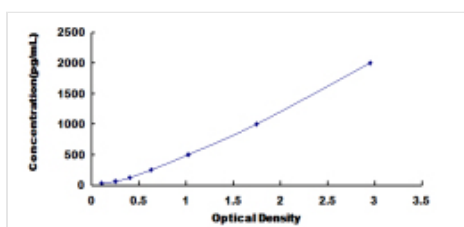
PRODUCT SYNONYMS

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 Phenol Sulfotransferase (PST). No significant cross-reactivity or interference between Phenol Sulfotransferase (PST) and analogues was observed.
Sequence Length	107
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Phenol Sulfotransferase (PST) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Phenol Sulfotransferase (PST) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PST elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Phenol Sulfotransferase (PST). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Phenol Sulfotransferase (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 Phenol Sulfotransferase (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 Phenol Sulfotransferase (PST) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PST elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	553649
NCBI GeneID	6817
UniProt Accession #	P50225; Q2NL71; Q86U58; Q92818; Q9BVU6; Q9UGG7
Molecular Weight	25,388 Da
NCBI Official Full Name	phenol sulfotransferase, partial
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1
NCBI Official Symbol	SULT1A1
NCBI Official Synonym Symbols	PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2
NCBI Protein Information	sulfotransferase 1A1
UniProt Protein Name	Sulfotransferase 1A1
UniProt Gene Name	SULT1A1
UniProt Synonym Gene Names	STP; STP1; ST1A1; P-PST 1; Ts-PST
UniProt Entry Name	ST1A1_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.