

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

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CATALOG #
AAA139430

REACTIVITY
Mouse

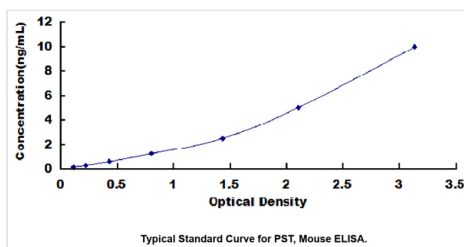
PRODUCT SYNONYMS

Phenol Sulfotransferase (PST); Mouse 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	Mouse
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	217
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/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	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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PST. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PST in mouse tissue homogenates, cell lysates and other biological fluids.
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/phenol-sulfotransferase-pst/139430>