

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

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CATALOG #
AAA64790

REACTIVITY
Mouse

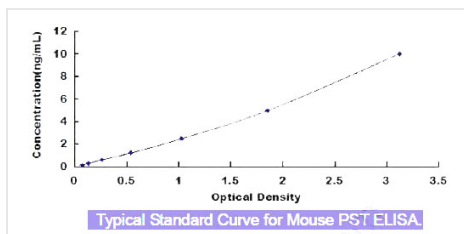
PRODUCT SYNONYMS

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 PSMD4. No significant cross-reactivity or interference between PSMD4 and analogues was observed.
Sequence Length	263
Samples	Human Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78-5000pg/ml
Sensitivity	29.8pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PSMD4 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 PSMD4 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 PSMD4 in human serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PSMD4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PSMD4. 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 PSMD4, 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 PSMD4 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 #	19526822
NCBI GeneID	20887
NCBI Accession #	NP_598431.1
NCBI GenBank Nucleotide #	NM_133670.1
UniProt Accession #	Q91W19; P52840
Molecular Weight	30,520 Da
NCBI Official Full Name	sulfotransferase 1A1
NCBI Official Synonym Full Names	sulfotransferase family 1A, phenol-preferring, member 1
NCBI Official Symbol	Sult1a1
NCBI Official Synonym Symbols	PST; Stp; Stp1; ST1A1; AI266890
NCBI Protein Information	sulfotransferase 1A1
UniProt Protein Name	Sulfotransferase
UniProt Gene Name	Sult1a1

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.