Rat Sulfotransferase 1A1 (SULT1A1) ELISA Kit

Catalog No: #EK6718

Package Size: #EK6718-1 48T #EK6718-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Rat Sulfotransferase 1A1 (SULT1A1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (Rattus norvegicus)
Other Names	HAST1/HAST2; MGC131921; MGC5163; P-PST; PST; ST1A3; STP; STP1; TSPST1; aryl sulfotransferase|phenol-preferring phenol sulfotransferase1|phenol-sulfating phenol sulfotransferase|thermostable phenol s
Accession No.	P17988
Uniprot	P17988
GeneID	83783;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.059 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SULT1A1 in samples. An antibody specific for SULT1A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySULT1A1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SULT1A1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SULT1A1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Phenol sulfotransferase, or PST (EC 2.8.2.1), catalyzes the sulfate conjugation of catecholamines and of phenolic drugs. PST is widely distributed in human and animal tissues that include the blood platelets. Human platelet PST exists in at least a thermolabile, or monoamine-metabolizing (SULT1A3, or STM), form and a thermostable, or phenol-metabolizing, form. Evidence that inheritance contributes to differences in levels of the 2 forms of the enzyme in whites was presented by Reveley et al. (1982), Price et al. (1988), and Van Loon and Weinshilboum (1984). Anderson and Jackson (1984) showed that the mean basal level of platelet thermostable PST activity in American blacks is significantly higher than the mean basal level in whites, whereas the average platelet thermolabile PST activity does not differ significantly in the 2 groups.

Note: This product is for in vitro research use only