

Human Sulfotransferase 1A1 (SULT1A1) ELISA Kit | SULT1A1 elisa kit

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CATALOG #
AAA330617

REACTIVITY
Human

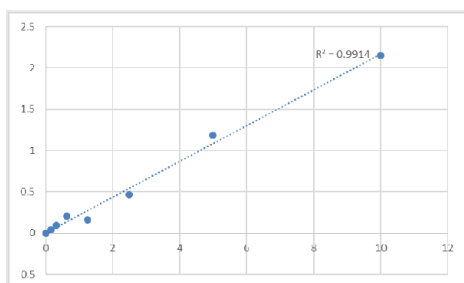
PRODUCT SYNONYMS

Sulfotransferase 1A1 (SULT1A1); Human Sulfotransferase 1A1 (SULT1A1) ELISA Kit; SULT1A1; HAST1/HAST2; MGC131921; MGC5163; P-PST; PST; ST1A3; STP; STP1; TSPST1; aryl sulfotransferase; phenol-preferring phenol sulfotransferase1; phenol-sulfating phenol sulfotransferase; thermostable phenol s; SULT1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sulfotransferase 1A1 (SULT1A1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SULT1A1. No significant cross-reactivity or interference between Human SULT1A1 and analogues was observed.
Sequence Length	295
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Sulfotransferase 1A1 (SULT1A1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SULT1A1 elisa kit	Description: This Human Sulfotransferase 1A1 (SULT1A1) ELISA Kit 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 any SULT1A1 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	313104286
NCBI GeneID	6817
UniProt Accession #	P50225
NCBI Official Full Name	Sulfotransferase 1A1
NCBI Official Synonym Full Names	sulfotransferase family 1A 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/human-elisa-kits/sulfotransferase-1a1-sult1a1/330617>