

Human Phosphoserine Aminotransferase 1 (PSAT1) CLIA Kit | PSAT1 clia kit

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CATALOG # AAA189102	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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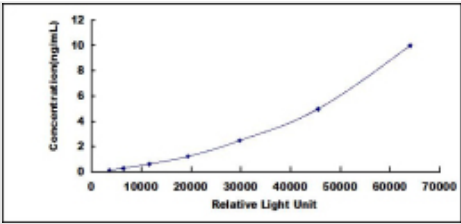
PRODUCT SYNONYMS

Phosphoserine Aminotransferase 1 (PSAT1); Human Phosphoserine Aminotransferase 1 (PSAT1) CLIA Kit; Phosphoserine Aminotransferase 1; PSA; EPIP; Endometrial Progesterone Induced Protein; Phosphohydroxythreonine aminotransferase; PSAT1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Phosphoserine Aminotransferase 1 (PSAT1). No significant cross-reactivity or interference between Phosphoserine Aminotransferase 1 (PSAT1) and analogues was observed.
Sequence Length	324
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids.
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 6.2pg/mL
Applicable Applications for PSAT1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Phosphoserine Aminotransferase 1 (PSAT1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Phosphoserine Aminotransferase 1 (PSAT1) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Phosphoserine Aminotransferase 1 (PSAT1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Phosphoserine Aminotransferase 1 (PSAT1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Phosphoserine Aminotransferase 1 (PSAT1) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863955
NCBI GeneID	29968
NCBI Accession #	NP_066977.1
NCBI GenBank Nucleotide #	NP_066977.1
UniProt Accession #	Q9Y617
NCBI Official Full Name	phosphoserine aminotransferase isoform 2
NCBI Official Synonym Full Names	phosphoserine aminotransferase 1
NCBI Official Symbol	PSAT1
NCBI Official Synonym Symbols	PSA; EPIP; NLS2; PSAT; PSATD
NCBI Protein Information	phosphoserine aminotransferase
UniProt Protein Name	Phosphoserine aminotransferase
UniProt Gene Name	PSAT1
UniProt Synonym Gene Names	PSA; PSAT
UniProt Entry Name	SERC_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-clia-kits/phosphoserine-aminotransferase-1-psat1/189102>