

Human Phosphopantothenate--cysteine ligase ELISA Kit | PPCS elisa kit

Human Phosphopantothenate--cysteine ligase (PPCS) ELISA Kit

CATALOG #
AAA55704

REACTIVITY
Human

PRODUCT SYNONYMS

Phosphopantothenate--cysteine ligase; Human Phosphopantothenate--cysteine ligase (PPCS) ELISA Kit; PPCS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PPCS. No significant cross-reactivity or interference between Human PPCS and analogues was observed.
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PPCS elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PPCS in samples. An antibody specific for PPCS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPPCS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPCS 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 PPCS bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	116875846
NCBI GeneID	79717
NCBI Accession #	NP_001070915.1
NCBI GenBank Nucleotide #	NM_001077447.2
UniProt Accession #	Q9HAB8 ; Q3KQT2 ; Q5VVM0
Molecular Weight	15,645 Da

NCBI Official Full Name	phosphopantothenate--cysteine ligase isoform b
NCBI Official Synonym Full Names	phosphopantothenoylcysteine synthetase
NCBI Official Symbol	PPCS
NCBI Protein Information	phosphopantothenate--cysteine ligase
UniProt Protein Name	Phosphopantothenate--cysteine ligase
UniProt Gene Name	PPCS
UniProt Synonym Gene Names	COAB; PPC synthetase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ppcs-human-elisa-kits/phosphopantothenate-cysteine-ligase/55704>