

Mouse Choline-phosphate cytidyltransferase A (PCYT1A) ELISA Kit | PCYT1A elisa kit

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CATALOG #
AAA245047

REACTIVITY
Mouse

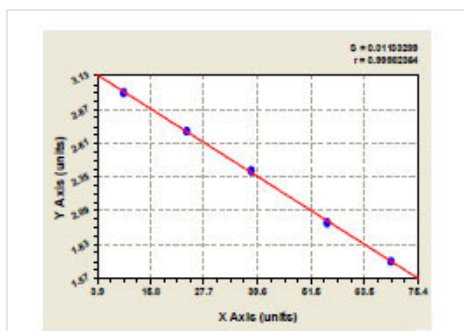
PRODUCT SYNONYMS

Choline-phosphate cytidyltransferase A (PCYT1A); Mouse Choline-phosphate cytidyltransferase A (PCYT1A) ELISA Kit; PCYT1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCYT1A elisa kit

Intended Uses: This PCYT1A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PCYT1A. This ELISA kit for research use only!

Principle of the Assay: PCYT1A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PCYT1A antibody and an PCYT1A-HRP conjugate. The assay sample and buffer are incubated together with PCYT1A-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PCYT1A concentration since PCYT1A from samples and PCYT1A-HRP conjugate compete for the anti-PCYT1A antibody binding site. Since the number of sites is limited, as more sites are occupied by PCYT1A from the sample, fewer sites are left to bind PCYT1A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PCYT1A concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543385
NCBI GeneID	5130
NCBI Accession #	NP_005008.2
NCBI GenBank Nucleotide #	NM_005017.2
Molecular Weight	41,731 Da
NCBI Official Full Name	choline-phosphate cytidylyltransferase A
NCBI Official Synonym Full Names	phosphate cytidylyltransferase 1, choline, alpha
NCBI Official Symbol	PCYT1A
NCBI Official Synonym Symbols	CT; CTA; CCTA; CTPCT; PCYT1; SMDCRD
NCBI Protein Information	choline-phosphate cytidylyltransferase A; CT A; CCT A; CCT-alpha; phosphorylcholine transferase A; CTP:phosphocholine cytidylyltransferase A
UniProt Protein Name	Choline-phosphate cytidylyltransferase A
UniProt Gene Name	PCYT1A
UniProt Synonym Gene Names	CTPCT; PCYT1; CCT A; CT A
UniProt Entry Name	PCY1A_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/mouse-elisa-kits/choline-phosphate-cytidylyltransferase-a-pcyt1a/245047>