

Datasheet for ABIN5657820 **PSPH CLIA Kit**



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Overview

Quantity: 96 tests

Target: PSPH

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 0.156 ng/mL - 10 ng/mL

Minimum Detection Limit: 0.156 ng/mL

Application: ELISA

Product Details

Sample Type: Tissue Homogenate

Analytical Method: Quantitative

Detection Method: Chemiluminescent

Specificity: This assay has high sensitivity and excellent specificity for detection of Phosphoserine Phosphatase (PSPH). No significant cross-reactivity or interference between Phosphoserine Phosphatase (PSPH) and analogues was observed.

Sensitivity: 0.061 ng/mL

Target Details

Target: PSPH

Alternative Name: Phosphoserine Phosphatase ([PSPH Products](#))

Target Details

Background:	Gene Name: Phosphoserine Phosphatase Gene Aliases: PSP, L-3-phosphoserine phosphatase, O-phosphoserine phosphohydrolase
Pathways:	Warburg Effect

Application Details

Comment:	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.
Assay Time:	2 - 3 h
Plate:	Pre-coated
Protocol:	The microplate provided in this kit has been pre-coated with an antibody specific to Phosphoserine Phosphatase (PSPH). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Phosphoserine Phosphatase (PSPH). 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 Phosphatase (PSPH) level in the sample or standard.,
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Phosphoserine Phosphatase (PSPH) were tested 20 times on one plate, respectively Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Phosphoserine Phosphatase (PSPH) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Restrictions:	For Research Use only

Handling

Handling Advice:	Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption.
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Handling

Storage: 4 °C,-20 °C

Storage Comment: -20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.

Expiry Date: 4-8 months