

Human p21 Protein Activated Kinase 4 (PAK4) CLIA Kit | PAK4 clia kit

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CATALOG # AAA189114	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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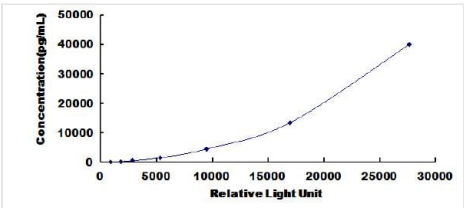
PRODUCT SYNONYMS

p21 Protein Activated Kinase 4 (PAK4); Human p21 Protein Activated Kinase 4 (PAK4) CLIA Kit; p21 Protein Activated Kinase 4; Serine/threonine-protein kinase PAK 4; PAK4 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of p21 Protein Activated Kinase 4 (PAK4). No significant cross-reactivity or interference between p21 Protein Activated Kinase 4 (PAK4) and analogues was observed.
Sequence Length	591
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	54.87-40,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 19.28pg/mL
Applicable Applications for PAK4 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level p21 Protein Activated Kinase 4 (PAK4) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level p21 Protein Activated Kinase 4 (PAK4) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 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 p21 Protein Activated Kinase 4 (PAK4). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to p21 Protein Activated Kinase 4 (PAK4). 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 p21 Protein Activated Kinase 4 (PAK4) 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 #	62422554
NCBI GeneID	10298
NCBI Accession #	NP_001014831.1
NCBI GenBank Nucleotide #	NP_001014831.1
UniProt Accession #	O96013
NCBI Official Full Name	serine/threonine-protein kinase PAK 4 isoform 1
NCBI Official Synonym Full Names	p21 (RAC1) activated kinase 4
NCBI Official Symbol	PAK4
NCBI Protein Information	serine/threonine-protein kinase PAK 4
UniProt Protein Name	Serine/threonine-protein kinase PAK 4
UniProt Gene Name	PAK4
UniProt Synonym Gene Names	KIAA1142; PAK-4
UniProt Entry Name	PAK4_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/p21-protein-activated-kinase-4-pak4/189114>