

Monkey Cyclin-dependent kinase-like 5 (CDKL5) ELISA Kit | CDKL5 elisa kit

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CATALOG #
AAA246906

REACTIVITY
Monkey

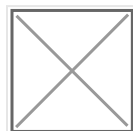
PRODUCT SYNONYMS

Cyclin-dependent kinase-like 5 (CDKL5); Monkey Cyclin-dependent kinase-like 5 (CDKL5) ELISA Kit; CDKL5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of CDKL5. No significant cross-reactivity or interference between CDKL5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CDKL5 and all the analogues, therefore, cross reaction may still exist in some cases.
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 CDKL5 elisa kit	Intended Uses: This CDKL5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CDKL5. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CDKL5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CDKL5 antibody and an CDKL5-HRP conjugate. The assay sample and buffer are incubated together with CDKL5-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 CDKL5 concentration since CDKL5 from samples and CDKL5-HRP conjugate compete for the anti-CDKL5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDKL5 from the sample, fewer sites are left to bind CDKL5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDKL5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDKL5 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	83367069
NCBI GeneID	6792
NCBI Accession #	NP_001032420.1
NCBI GenBank Nucleotide #	NM_001037343.1
Molecular Weight	107,519 Da
NCBI Official Full Name	cyclin-dependent kinase-like 5
NCBI Official Synonym Full Names	cyclin-dependent kinase-like 5
NCBI Official Symbol	CDKL5
NCBI Official Synonym Symbols	ISSX; STK9; EIEE2
NCBI Protein Information	cyclin-dependent kinase-like 5; serine/threonine kinase 9; serine/threonine-protein kinase 9; cyclin dependent kinase 5 transcript
UniProt Protein Name	Cyclin-dependent kinase-like 5
UniProt Gene Name	CDKL5
UniProt Synonym Gene Names	STK9
UniProt Entry Name	CDKL5_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/monkey-elisa-kits/cyclin-dependent-kinase-like-5-cdkl5/246906>