

Mouse Cyclin-dependent kinase inhibitor 3 (CDKN3) ELISA Kit | CDKN3 elisa kit

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CATALOG #
AAA245679

REACTIVITY
Mouse

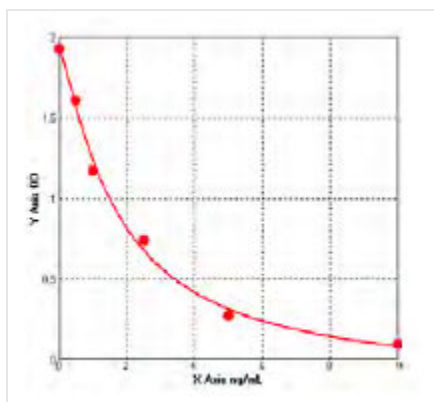
PRODUCT SYNONYMS

Cyclin-dependent kinase inhibitor 3 (CDKN3); Mouse Cyclin-dependent kinase inhibitor 3 (CDKN3) ELISA Kit; CDKN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDKN3 elisa kit

Intended Uses: This CDKN3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CDKN3. This ELISA kit for research use only!

Principle of the Assay: CDKN3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CDKN3 antibody and an CDKN3-HRP conjugate. The assay sample and buffer are incubated together with CDKN3-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 CDKN3 concentration since CDKN3 from samples and CDKN3-HRP conjugate compete for the anti-CDKN3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDKN3 from the sample, fewer sites are left to bind CDKN3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDKN3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	334188269
NCBI GeneID	834940
NCBI Accession #	NP_001190495.1
NCBI GenBank Nucleotide #	NM_001203566.1
Molecular Weight	24,925 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 3
NCBI Official Symbol	ICK6
NCBI Official Synonym Symbols	inhibitor/interactor with cyclin-dependent kinase; K24G6.15; K24G6_15; KIP-RELATED PROTEIN 3; KRP3
NCBI Protein Information	cyclin-dependent kinase inhibitor 3
UniProt Protein Name	Cyclin-dependent kinase inhibitor 3
UniProt Gene Name	KRP3
UniProt Synonym Gene Names	ICK6; At5g48820; K24G6.15
UniProt Entry Name	KRP3_ARATH

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/cyclin-dependent-kinase-inhibitor-3-cdkn3/245679>