

Mouse Cyclin-dependent kinase 4 inhibitor B (CDKN2B) ELISA Kit | CDKN2B elisa kit

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CATALOG #
AAA245109

REACTIVITY
Mouse

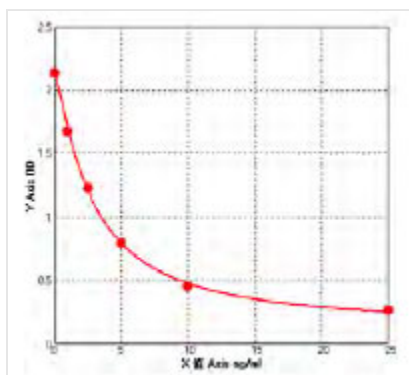
PRODUCT SYNONYMS

Cyclin-dependent kinase 4 inhibitor B (CDKN2B); Mouse Cyclin-dependent kinase 4 inhibitor B (CDKN2B) ELISA Kit; CDKN2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CDKN2B. No significant cross-reactivity or interference between CDKN2B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CDKN2B 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	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 CDKN2B elisa kit	Intended Uses: This CDKN2B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CDKN2B. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CDKN2B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CDKN2B antibody and an CDKN2B-HRP conjugate. The assay sample and buffer are incubated together with CDKN2B-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 CDKN2B concentration since CDKN2B from samples and CDKN2B-HRP conjugate compete for the anti-CDKN2B antibody binding site. Since the number of sites is limited, as more sites are occupied by CDKN2B from the sample, fewer sites are left to bind CDKN2B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDKN2B concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDKN2B elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	17981696
NCBI GeneID	1030
NCBI Accession #	NP_511042.1
NCBI GenBank Nucleotide #	NM_078487.2
Molecular Weight	8,078 Da
NCBI Official Full Name	cyclin-dependent kinase 4 inhibitor B isoform 2
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
NCBI Official Symbol	CDKN2B
NCBI Official Synonym Symbols	P15; MTS2; TP15; CDK4I; INK4B; p15INK4b
NCBI Protein Information	cyclin-dependent kinase 4 inhibitor B; MTS-2; p14-INK4b; p14_INK4B; p15-INK4b; p15_INK4B; CDK4B inhibitor; p14_CDK inhibitor; p15 CDK inhibitor; CDK inhibitory protein; multiple tumor suppressor 2; cyclin-dependent kinases 4 and 6 binding protein
UniProt Protein Name	Cyclin-dependent kinase 4 inhibitor B
UniProt Gene Name	CDKN2B
UniProt Synonym Gene Names	MTS2; MTS-2; p15INK4B
UniProt Entry Name	CDN2B_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://www.aaabiotech.com/mouse-elisa-kits/cyclin-dependent-kinase-4-inhibitor-b-cdkn2b/245109>