

Human Cyclin dependent kinase inhibitor 1B (CDKN1B) ELISA Kit | CDKN1B elisa kit

Human Cyclin dependent kinase inhibitor 1B (CDKN1B) ELISA Kit

CATALOG #
AAA245064

REACTIVITY
Human

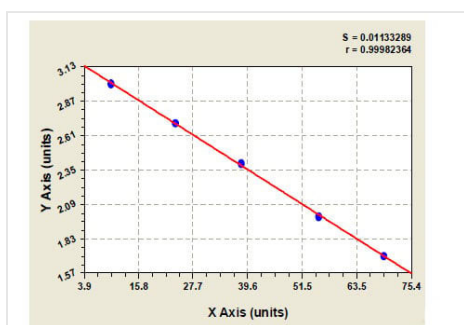
PRODUCT SYNONYMS

Cyclin dependent kinase inhibitor 1B (CDKN1B); Human Cyclin dependent kinase inhibitor 1B (CDKN1B) ELISA Kit; CDKN1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 CDKN1B elisa kit

Intended Uses: This CDKN1B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CDKN1B. This ELISA kit for research use only!

Principle of the Assay||CDKN1B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CDKN1B antibody and an CDKN1B -HRP conjugate. The assay sample and buffer are incubated together with CDKN1B -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 CDKN1B concentration since CDKN1B from samples and CDKN1B -HRP conjugate compete for the anti-CDKN1B antibody binding site. Since the number of sites is limited, as more sites are occupied by CDKN1B from the sample, fewer sites are left to bind CDKN1B -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDKN1B concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CDKN1B elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757962
NCBI GeneID	1027
NCBI Accession #	NP_004055.1
NCBI GenBank Nucleotide #	NM_004064.4
Molecular Weight	22,073 Da
NCBI Official Full Name	cyclin-dependent kinase inhibitor 1B
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 1B (p27, Kip1)
NCBI Official Symbol	CDKN1B
NCBI Official Synonym Symbols	KIP1; MEN4; CDKN4; MEN1B; P27KIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1B
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1B
UniProt Gene Name	CDKN1B
UniProt Synonym Gene Names	KIP1
UniProt Entry Name	CDN1B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cyclin-dependent-kinase-inhibitor-1b-cdkn1b/245064>