

Human Antioncogene p21 protein ELISA Kit | p21 elisa kit

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CATALOG #
AAA16589

REACTIVITY
Human

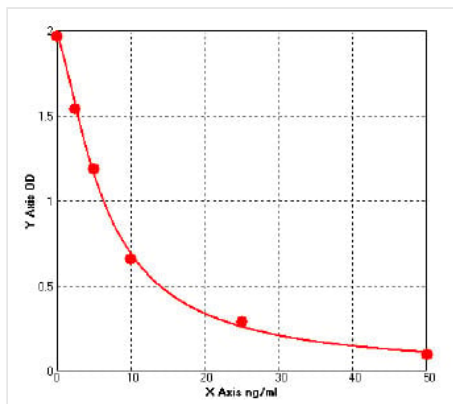
PRODUCT SYNONYMS

Antioncogene p21 protein; Human Antioncogene p21 protein ELISA Kit; p21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of P21. No significant cross-reactivity or interference between P21 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between P21 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 p21 elisa kit	Principle of the Assay: P21 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-P21 antibody and an P21-HRP conjugate. The assay sample and buffer are incubated together with P21-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 P21 concentration since P21 from samples and P21-HRP conjugate compete for the anti-P21 antibody binding site. Since the number of sites is limited, as more sites are occupied by P21 from the sample, fewer sites are left to bind P21-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P21 concentration in each sample is interpolated from this standard curve. Intended Uses: This P21 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human P21. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for p21 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	453135
NCBI GeneID	1026
Molecular Weight	18,119 Da
NCBI Official Full Name	p21
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
NCBI Official Symbol	CDKN1A
NCBI Official Synonym Symbols	P21; CIP1; SDI1; WAF1; CAP20; CDKN1; MDA-6; p21CIP1
NCBI Protein Information	cyclin-dependent kinase inhibitor 1; DNA synthesis inhibitor; CDK-interacting protein 1; CDK-interaction protein 1; wild-type p53-activated fragment 1; melanoma differentiation associated protein 6
UniProt Protein Name	Cyclin-dependent kinase inhibitor 1
UniProt Gene Name	CDKN1A
UniProt Synonym Gene Names	CAP20; CDKN1; CIP1; MDA6; PIC1; SDI1; WAF1; MDA-6
UniProt Entry Name	CDN1A_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-elisa-kits/antioncogene-p21-protein/16589>