

Porcine Antioncogene p16 protein ELISA Kit | p16 elisa kit

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CATALOG #
AAA90264

REACTIVITY
Porcine

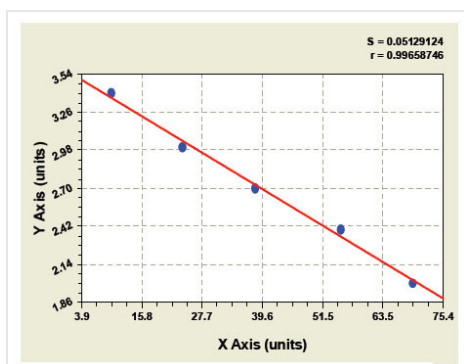
PRODUCT SYNONYMS

Antioncogene p16 protein; Porcine Antioncogene p16 protein ELISA Kit; p16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This P16 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine P16. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for p16 elisa kit

Principle of the Assay: P16 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-P16 antibody and an P16-HRP conjugate. The assay sample and buffer are incubated together with P16-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 P16 concentration since P16 from samples and P16-HRP conjugate compete for the anti-P16 antibody binding site. Since the number of sites is limited, as more sites are occupied by P16 from the sample, fewer sites are left to bind P16-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P16 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for p16 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	89355819
NCBI GeneID	1029
Molecular Weight	8,731 Da
NCBI Official Full Name	p16, partial
NCBI Official Synonym Full Names	cyclin-dependent kinase inhibitor 2A
NCBI Official Symbol	CDKN2A
NCBI Official Synonym Symbols	ARF; MLM; P14; P16; P19; CMM2; INK4; MTS1; TP16; CDK4I; CDKN2; INK4A; MTS-1; P14ARF; P19ARF; P16INK4; P16INK4A; P16-INK4A
NCBI Protein Information	cyclin-dependent kinase inhibitor 2A; CDK4 inhibitor p16-INK4; multiple tumor suppressor 1; cell cycle negative regulator beta; cyclin-dependent kinase 4 inhibitor A; cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4)
UniProt Protein Name	Cyclin-dependent kinase inhibitor 2A, isoforms 1/2/3
UniProt Gene Name	CDKN2A
UniProt Synonym Gene Names	CDKN2; MTS1; CDK4I; MTS-1; p16-INK4; p16INK4A
UniProt Entry Name	CD2A1_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/porcine-elisa-kits/antioncogene-p16-protein/90264>