

Rat P53 ELISA Kit | P53 elisa kit

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CATALOG #
AAA83681

REACTIVITY
Rat

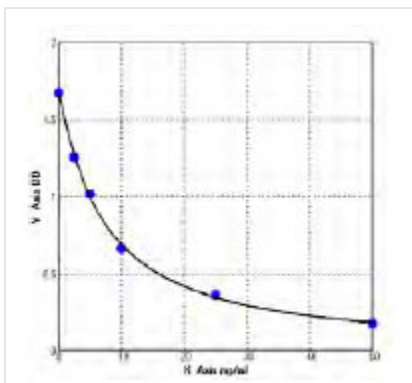
PRODUCT SYNONYMS

P53; Rat P53 ELISA Kit; P53 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of P53. No significant cross-reactivity or interference between P53 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between P53 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 or Sandwich
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 P53 elisa kit	Intended Uses: This P53 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat P53. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: P53 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-P53 antibody and an P53-HRP conjugate. The assay sample and buffer are incubated together with P53-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 P53 concentration since P53 from samples and P53-HRP conjugate compete for the anti-P53 antibody binding site. Since the number of sites is limited, as more sites are occupied by P53 from the sample, fewer sites are left to bind P53-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P53 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for P53 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	23491729
NCBI GeneID	7157
Molecular Weight	24,401 Da
NCBI Official Full Name	P53
NCBI Official Synonym Full Names	tumor protein p53
NCBI Official Symbol	TP53
NCBI Official Synonym Symbols	P53; BCC7; LFS1; TRP53
NCBI Protein Information	cellular tumor antigen p53; antigen NY-CO-13; tumor protein 53; phosphoprotein p53; p53 tumor suppressor; mutant tumor protein 53; transformation-related protein 53
UniProt Protein Name	Cellular tumor antigen p53
UniProt Gene Name	TP53
UniProt Synonym Gene Names	P53
UniProt Entry Name	P53_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/rat-elisa-kits/p53/83681>