

Human Mutant type p53 ELISA Kit | Mt p53 elisa kit

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CATALOG #
AAA16644

REACTIVITY
Human

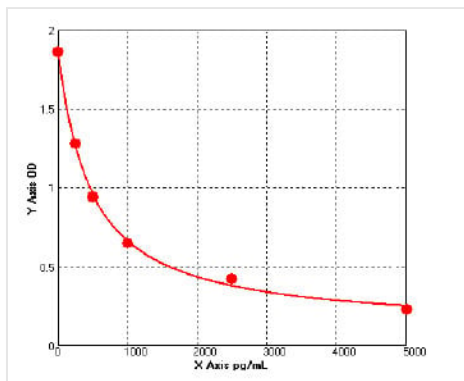
PRODUCT SYNONYMS

Mutant type p53; Human Mutant type p53 ELISA Kit; Mt p53 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 Mt p53 elisa kit

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.

Intended Uses: This P53 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human P53. This ELISA kit for research use only, not for therapeutic or diagnostic applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	11528486
NCBI GeneID	24842
Molecular Weight	43,451 Da
NCBI Official Full Name	mutant p53
NCBI Official Synonym Full Names	tumor protein p53
NCBI Official Symbol	Tp53
NCBI Official Synonym Symbols	p53; Trp53
NCBI Protein Information	cellular tumor antigen p53; tumor suppressor p53; transformation related protein 53; tumor protein p53 (Li-Fraumeni syndrome)
UniProt Protein Name	Cellular tumor antigen p53
UniProt Gene Name	Tp53
UniProt Synonym Gene Names	P53
UniProt Entry Name	P53_RAT

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/mt-p53-human-elisa-kits/mutant-type-p53/16644>