

Human P53 ELISA Kit | P53 elisa kit

P53 Human ELISA Kit

CATALOG # AAA58908	REACTIVITY Human	APPLICATIONS ELISA
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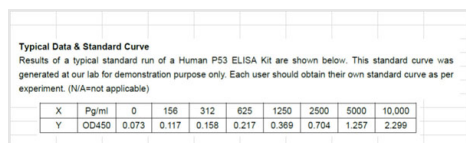
PRODUCT SYNONYMS

P53; P53 Human ELISA Kit; Human P53; P53 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Human serum, plasma, cell culture supernatants or cell lysate
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 10 pg/ml
Applicable Applications for P53 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P53 elisa kit

Background: P53, also known as protein 53 or tumor protein 53, named in reference to its apparent molecular mass: It runs as a 53-kilodalton (kDa) protein on SDS-PAGE. Human p53 is 393 amino acids long and has seven domains. It plays a role in conserving stability by preventing genome mutation, as such, p53 has been described as "the guardian of the genome". p53 also has many mechanisms of anticancer function, and plays a role in apoptosis, genomic stability, and inhibition of angiogenesis.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-P53 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-P53 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the P53 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of P53 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23491729
NCBI GeneID	7157

UniProt Accession #	P04637; Q15086; Q15087; Q15088; Q16535; Q16807; Q16808; Q16809; Q16810; Q16811; Q16848; Q2XN98
Molecular Weight	43,653 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; phosphoprotein p53; p53 tumor suppressor; 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://stage.aaabiotech.com/human-elisa-kits/p53/58908>