

Human P53 ELISA Kit | TP53 elisa kit

Human P53 PicoKine ELISA Kit

CATALOG #
AAA45279

REACTIVITY
Human

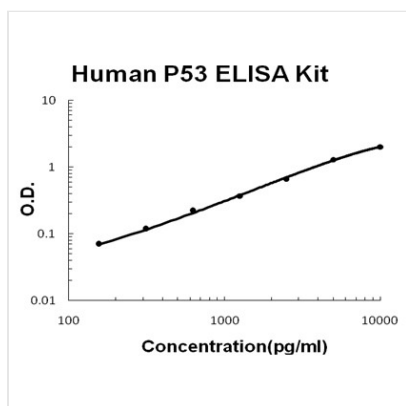
PRODUCT SYNONYMS

P53; Human P53 PicoKine ELISA Kit; Cellular tumor antigen p53; tumor protein p53; Antigen NY-CO-13; BCC7; LFS1; MS980; p53; p53 tumor suppressor; P53_HUMAN; Phosphoprotein p53; Tp53; Transformation related protein 53; TRP53; Tumor suppressor p53; TP53 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human P53
Sequence Length	393
Samples	Cell lysates
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human P53 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TP53 elisa kit	Principle of the assay: human P53 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for P53 has been precoated onto 96-well plates. Standards(NSO, M1-D393) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for P53 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 human P53 amount of sample captured in plate. Background: P53 (also known as protein 53 or tumor protein 53), is a tumor suppressor protein that in humans is encoded by the TP53 gene. The human P53 gene is mapped to chromosome 17. Human p53 is 393 amino acids long and has seven domains. It runs as a 53-kilodalton (kDa) protein on SDS-PAGE. The pattern of p53 splicing was specific for brain areas and for individuals. And human kidney and heart expressed only full-length p53. It has played a vital role in conserving stability by preventing genome mutation.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	7157
UniProt Accession #	K7PPA8; P04637
Molecular Weight	43,653 Da
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 Entry Name	K7PPA8_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.