

Human Cellular Tumor Antigen p53 (TP53) ELISA Kit | TP53 elisa kit

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CATALOG #
AAA330378

REACTIVITY
Human

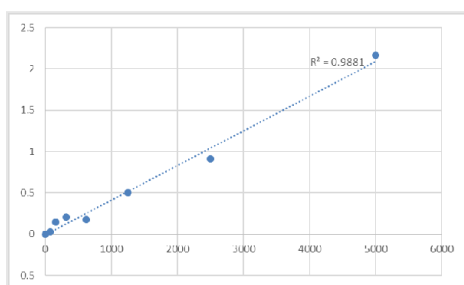
PRODUCT SYNONYMS

Cellular Tumor Antigen p53 (TP53); Human Cellular Tumor Antigen p53 (TP53) ELISA Kit; TP53; FLJ92943; LFS1; TRP53; p53; p53 antigen; p53 transformation suppressor; p53 tumor suppressor; phosphoprotein p53; transformation-related protein 53; TP53 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Cellular tumor antigen p53 (TP53) ELISA Kit has high sensitivity and excellent specificity for detection of Human TP53. No significant cross-reactivity or interference between Human TP53 and analogues was observed.
Sequence Length	393
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Cellular tumor antigen p53 (TP53) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TP53 elisa kit	Description: This Human Cellular tumor antigen p53 (TP53) ELISA Kit employs a two-site sandwich ELISA to quantitate TP53 in samples. An antibody specific for TP53 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TP53 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TP53 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TP53 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The p53 responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	120407068
NCBI GeneID	7157
NCBI Accession #	NP_000537.3
NCBI GenBank Nucleotide #	NP_000537.3
UniProt Accession #	P04637
NCBI Official Full Name	cellular tumor antigen p53 isoform a
NCBI Official Synonym Full Names	tumor protein p53
NCBI Official Symbol	TP53
NCBI Official Synonym Symbols	P53; BCC7; LFS1; BMFS5; TRP53
NCBI Protein Information	cellular tumor antigen p53
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.