

Datasheet for KOA0536**Human P53 ELISA Kit****Overview**

Description:	Human P53 AccuSignal ELISA Kit - KOA0536
Item No.:	KOA0536
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10000 pg/ml

Product Details

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.
Synonyms:	Antigen NY-CO-13, BCC7, Cellular tumor antigen p53, LFS1, MS980, p53, p53 tumor suppressor, P53_HUMAN, Phosphoprotein p53, Tp53, Transformation related protein 53, TRP53, Tumor suppressor p53
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	TP53
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: M1-D393
Purity/Specificity:	Natural and recombinant human P53. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - K7PPA8](#)
- [NCBI - NP_000537.3](#)
- [GeneID - 7157](#)
- [KOA0536 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human P53 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell lysates to each empty well. It is recommended that each human P53 standard solution and each sample be measured in duplicate.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Shipping & Handling

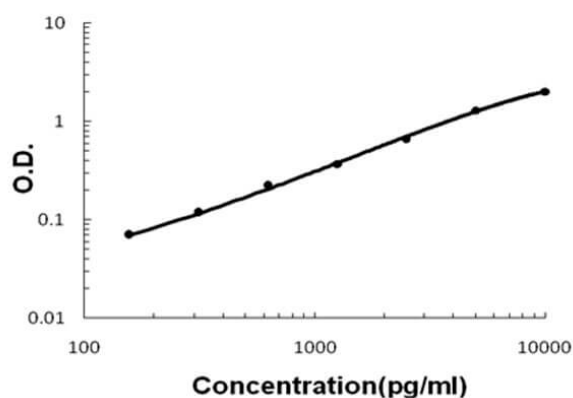
Shipping Condition: Wet Ice

Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images

Human P53 ELISA Kit



ELISA

Human P53 AccuSignal ELISA Kit standard curve. Assay
Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.