

Datasheet for KOA0369

Human Survivin ELISA Kit**Overview**

Description:	Human Survivin AccuSignal ELISA Kit - KOA0369
Item No.:	KOA0369
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	Survivin(also termed API4) belongs to the family of genes known as inhibitors of apoptosis, and it has been implicated in both prevention of cell death and control of mitosis. Survivin is prominently expressed in transformed cell lines and in all the most common human cancers of lung, colon, pancreas, prostate and breast in vivo. It is also found in approximately 50% of high-grade non-Hodgkin's lymphomas. Survivin encodes a deduced 142-amino acid protein and localizes on chromosome 17q25. The overexpression of it in cancer may overcome an apoptotic checkpoint and favour aberrant progression of transformed cells through mitosis. The standard product used in this kit is recombinant human Survivin with the molecular mass of 34 KDa.
Synonyms:	API4, Apoptosis inhibitor 4, Apoptosis inhibitor survivin, Baculoviral IAP repeat containing 5, Baculoviral IAP repeat-containing protein 5, BIRC5, BIRC5_HUMAN, EPR 1
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	BIRC5
Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: M1-D142
Purity/Specificity:	Natural and recombinant human Survivin. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	<ul style="list-style-type: none">• UniProtKB - O15392• NCBI - NP_001012270.1• GeneID - 332• KOA0369 Protocol
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Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human Survivin 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 culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human Survivin 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.
Other:	DOE: 01/25/2021 at 2-8°C 07/25/2022 at -20°C

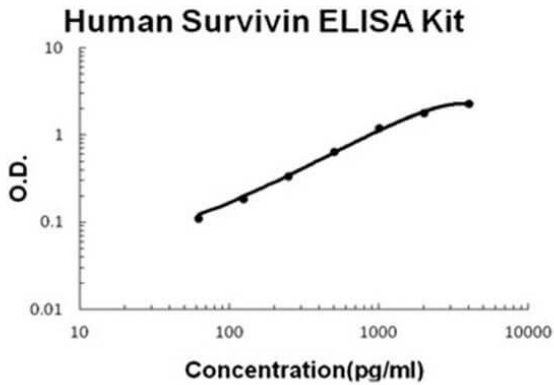
Formulation

Anticoagulant:	Heparin Sodium
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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

**ELISA**

Human Survivin AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <2pg/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.