

## Datasheet for KOA0163

**Human sFAS ELISA Kit****Overview**

<b>Description:</b>	Human sFAS AccuSignal ELISA Kit - KOA0163
<b>Item No.:</b>	KOA0163
<b>Size:</b>	1 Kit
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Human
<b>Range:</b>	31.2 pg/ml - 2000 pg/ml

**Product Details**

<b>Background:</b>	Fas, also known as APO-1, CD95 and TNFRSF6, is a member of the nerve growth factor (NGF)/tumour necrosis factor(TNF) receptor superfamily and mediates apoptosis. The nucleotide sequence of the cDNAs reveals that the molecule coding for the Fas antigen determinant is a 419 amino acid polypeptide with a single transmembrane domain. The extracellular domain is rich in cysteine residue, and shows a similarity to that of human tumor necrosis factor receptors, human nerve growth factor receptor, and human B cell antigen CD40. The APO-1 antigen as defined by the mouse monoclonal antibody anti-APO-1 is previously found to be expressed on the cell surface of activated human T and B lymphocytes and a variety of malignant human lymphoid cell lines. The APO-1 antigen is found to be a membrane glycoprotein of 48-kDa. Fas antigen is expressed and functional on papillary thyroid cancer cells and this may have potential therapeutic significance. Fas can play a role as an inducer of both neurite growth in vitro and accelerates recovery after nerve injury in vivo. The FAS and FASL triggered apoptosis pathway plays an important role in human carcinogenesis.
<b>Synonyms:</b>	ALPS1A, APO 1, APO 1 cell surface antigen, Apo-1 antigen, APO1, Apo1 antigen, Apoptosis antigen 1, Apoptosis mediating surface antigen FAS, Apoptosis-mediating surface antigen FAS, APT1, CD95, CD95 antigen, Fas, Fas AMA, Fas antigen, FAS1, FASLG receptor, FASTM, TNF receptor superfamily member 6, TNFRSF6, TNFR6_HUMAN, Tumor necrosis factor receptor superfamily member 6
<b>Detection Kit Type:</b>	ELISA Kit
<b>Detection Range:</b>	31.2 pg/ml - 2000 pg/ml
<b>Sensitivity:</b>	<3 pg/ml

## Target Details

<b>Gene Name:</b>	FAS
<b>Reactivity:</b>	Human
<b>Immunogen:</b>	Expression system for standard: NSO; Immunogen sequence: R17-N173
<b>Purity/Specificity:</b>	Natural and recombinant human sFAS. There is no detectable cross-reactivity with other relevant proteins.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P25445</a></li><li>• <a href="#">NCBI - NP_000034.1</a></li><li>• <a href="#">GeneID - 355</a></li><li>• <a href="#">KOA0163 Protocol</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human FAS 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 supernatants, serum or plasma (heparin, EDTA, citrate) to each empty well. We recommend that each human FAS standard solution and each sample is measured in duplicate.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>Other:</b>	DOE: 2-8° C - 01/01/2023 -20° C - 07/01/2023

## Formulation

<b>Concentration:</b>	1 Kit
<b>Anticoagulant:</b>	Heparin Sodium

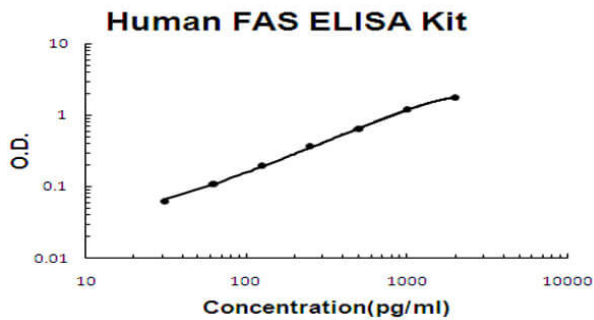
## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
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**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 sFAS AccuSignal ELISA standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <3pg/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.