

Datasheet for KOA0165**Human FASL ELISA Kit****Overview**

Description:	Human FASL AccuSignal ELISA Kit - KOA0165
Item No.:	KOA0165
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Fas ligand(FasL or CD95L) is a type-II transmembrane protein that belongs to the tumor necrosis factor(TNF) family. Its binding with its receptor induces apoptosis. The human FASL gene consists of approximately 8 kb and is split into 4 exons. Fas ligand/receptor interactions play an important role in the regulation of the immune system and the progression of cancer. Fas ligand or FasL is a homotrimeric type II transmembrane protein. It signals through trimerization of FasR, which spans the membrane of the "target" cell. This trimerization usually leads to apoptosis, or cell death. Soluble Fas ligand is generated by cleaving membrane-bound FasL at a conserved cleavage site by the external matrix metalloproteinase MMP-7.
Synonyms:	Apoptosis (APO 1) antigen ligand 1, Apoptosis antigen ligand, APT1LG1, APTL, CD178, CD95 L, CD95 ligand, CD95L, CD95L protein, Fas antigen ligand, FASL, FASLG, TNF superfamily member 6, TNFSF6, Tumor necrosis factor (ligand) superfamily member 6, Tumor necrosis factor ligand superfamily member 6
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	FASLG
Reactivity:	Human
Immunogen:	Expression system for standard: CHO; Immunogen sequence: P134-L281

Purity/Specificity: Natural and recombinant human FASL. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - Q99PH8](#)
- [NCBI - NP_001192172.1](#)
- [GeneID - 14103](#)
- [KOA0165 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human FASL 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, citrate) to each empty well. It is recommended that each human FASL 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

Anticoagulant: Heparin Sodium

Shipping & Handling

Shipping Condition: Wet Ice

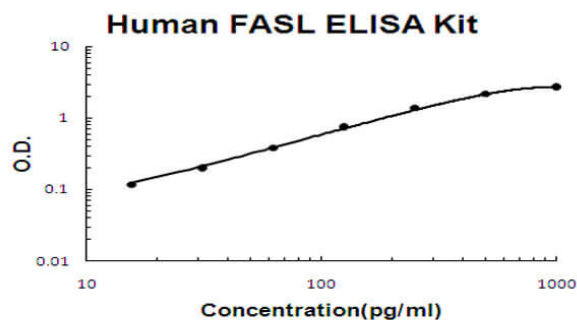
Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid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

Expiration: See kit insert for complete instructions.

Images

ELISA

Human FASL AccuSignal ELISA Kit standard curve. Assay
Range: 15.6pg/ml-1000pg/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.