

Datasheet for KOA0701**Human WISP1 - CCN4 ELISA Kit****Overview**

Description:	Human WISP1/CCN4 AccuSignal ELISA Kit - KOA0701
Item No.:	KOA0701
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	WISP1(WNT1-Inducible Signaling Pathway Protein 1), also known as CCN4, is a matricellular protein that in humans is encoded by the WISP1 gene. WISP1 is induced by WNT1 and belongs to the CCN family, which includes connective tissue growth factor, cysteine-rich-61, and nephroblastoma overexpressed. By use of radiation hybrid mapping panels, the WISP1 was mapped to chromosome 8q24.1-q24.3, roughly 4 Mb distal to MYC. It found that 2 distinct systems demonstrated that WISP induction was associated with expression of WNT1. WISP1 genomic DNA was amplified in colon cancer cell lines and in human colon tumors, and its RNA was overexpressed in 84% of tumors examined compared with patient-matched normal mucosa.
Synonyms:	CCN family member 4, CCN4, WISP1, WISP1c, WISP1i, WISP1tc, Wnt 1 inducible signaling pathway protein 1, Wnt-1 induced secreted protein, WNT1 induced secreted protein 1, WNT1 inducible signaling pathway protein 1, WNT1 inducible-signaling pathway protein 1
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	WISP1
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: T23-N367

Purity/Specificity: Natural and recombinant human WISP1. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - O95388](#)
- [NCBI - NP_001191798.1](#)
- [GeneID - 8840](#)
- [KOA0701 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: 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 WISP1 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 WISP1 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: 2°-8°C-03/06/2023
-20°C-09/06/2023

Formulation

Concentration: 1 kit

Anticoagulant: Heparin Sodium

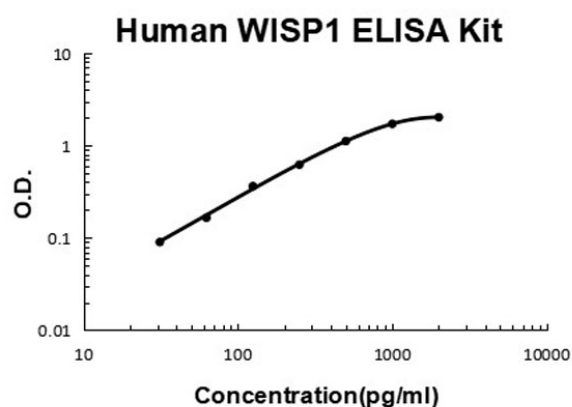
Shipping & Handling

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 WISP1/CCN4 ELISA Kit standard curve.

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.