Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0500

# Human NOV - CCN3 ELISA Kit

## Overview

| | |
|---|---|
| **Description:** | Human NOV/CCN3 AccuSignal ELISA Kit - KOA0500 |
| **Item No.:** | KOA0500 |
| **Size:** | 1 Kit |
| **Applications:** | ELISA |
| **Reactivity:** | Human |
| **Range:** | 31.2 pg/ml - 2000 pg/ml |

## Product Details

| | |
|---|---|
| **Background:** | NOV(nephroblastoma overexpressed), also known as CCN3, is a matricellular protein that in humans is encoded by the NOV gene. The protein encoded by this gene is a small secreted cysteine-rich protein and a member of the CCN family of regulatory proteins. This gene is mapped to 8q24.12. NOV is a potentially useful marker for the diagnosis of adrenal gland diseases, malignant adrenocortical tumors, multiple sclerosis and so on. Moreover, reduced expression of NOV in ACTs may play an important role in the process of childhood ACT tumorigenesis. Though studying, it identified Nov as a regulator of human hematopoietic stem or progenitor cells. |
| **Synonyms:** | CCN family member 3, CCN3, IBP-9, IGF-binding protein 9, IGFBP-9, IGFBP9, Insulin-like growth factor-binding protein 9, Nephroblastoma overexpressed, Nephroblastoma overexpressed gene protein homolog, Nephroblastoma-overexpressed gene protein homolog, NOV, NOV_HUMAN, NovH, Protein NOV homolog |
| **Detection Kit Type:** | ELISA Kit |
| **Detection Range:** | 31.2 pg/ml - 2000 pg/ml |
| **Sensitivity:** | <2 pg/ml |

## Target Details

| | |
|---|---|
| **Gene Name:** | NOV |
| **Reactivity:** | Human |
| **Immunogen:** | Expression system for standard: NSO; Immunogen sequence: T32-M357 |

| | |
|---|---|
| **Purity/Specificity:** | Natural and recombinant human NOV. There is no detectable cross-reactivity with other relevant proteins. |
| **Relevant Links:** | • UniProtKB - P48745<br>• NCBI - NP_002505.1<br>• GeneID - 4856<br>• KOA0500 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 NOV 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 NOV 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:<br>2-8 C - 11/23/17<br>-20 C - 05/24/18 |

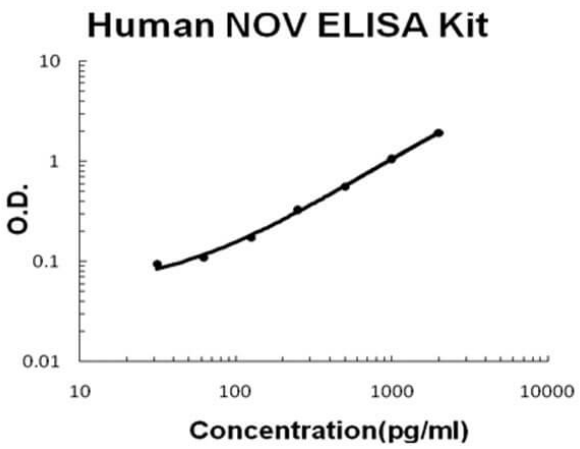
## Formulation

| | |
|---|---|
| **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 NOV/CCN3 AccuSignal ELISA Kit standard curve.
Assay Range: 31.2pg/ml-2000pg/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.