

**Datasheet for KOA0340****Human E-Cadherin ELISA Kit****Overview**

|                      |                                                 |
|----------------------|-------------------------------------------------|
| <b>Description:</b>  | Human E-Cadherin AccuSignal ELISA Kit - KOA0340 |
| <b>Item No.:</b>     | KOA0340                                         |
| <b>Size:</b>         | 1 Kit                                           |
| <b>Applications:</b> | ELISA                                           |
| <b>Reactivity:</b>   | Human                                           |
| <b>Range:</b>        | 156 pg/ml - 10000 pg/ml                         |

**Product Details**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>         | E-Cadherin, also called Cadherin 1(CDH1), Uvomorulin or calcium-dependent adhesion protein, epithelial. E-cadherin is a Ca(2+)-dependent epithelial cell-cell adhesion molecule. Downregulation of E-cadherin expression often correlates with strong invasive potential and poor prognosis of human carcinomas. The gene spans a region of approximately 100 kb, and its location on chromosome 16q22.1. It contains 16 exons and a 65-kb-long intron 2. E-cadherin gene mutations may contribute to the development of diffusely growing gastric carcinomas. E-cadherin plays a central part in the process of epithelial morphogenesis and acts as a strong invasion suppressor in experimental tumor cell systems. The standard product used in this kit is recombinant gene expression with the molecular mass of 120KDa. |
| <b>Synonyms:</b>           | Arc 1, Cadherin 1, cadherin 1 type 1 E-cadherin, Cadherin1, CAM 120/80, CD 234, CD324, CD324 antigen, CDH1, CDHE, ECAD, Epithelial cadherin, epithelial calcium dependant adhesion protein, LCAM, Liver cell adhesion molecule, UVO, Uvomorulin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Detection Kit Type:</b> | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Detection Range:</b>    | 156 pg/ml - 10000 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sensitivity:</b>        | <15 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| <b>Gene Name:</b>  | CDH1                                                               |
| <b>Reactivity:</b> | Human                                                              |
| <b>Immunogen:</b>  | Expression system for standard: NSO; Immunogen sequence: D155-I707 |

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

**Relevant Links:**

- [UniProtKB - P12830](#)
- [NCBI - NP\\_001304113.1](#)
- [GeneID - 999](#)
- [KOA0340 Protocol](#)

## Application Details

**Tested Applications:** ELISA

**Application Note:** Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 313pg/ml, 156pg/ml human E-Cadherin 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, plasma(heparin), saliva or urine to each empty well. We recommend that each human E-Cadherin standard solution and each sample is 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.

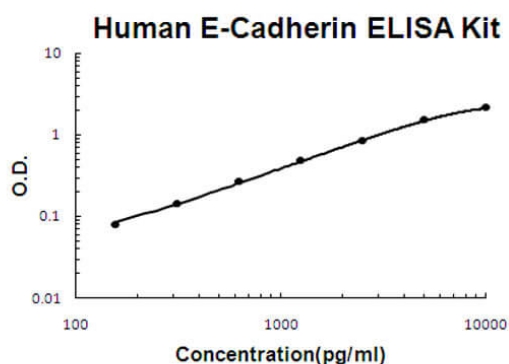
**Expiration:** See kit insert for complete instructions.

## Images

**ELISA**

Human E-Cadherin AccuSignal ELISA Kit standard curve.

Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <15pg/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.