

## Datasheet for KOA0383

**Mouse P-Cadherin ELISA Kit****Overview**

<b>Description:</b>	Mouse P-Cadherin AccuSignal ELISA Kit - KOA0383
<b>Item No.:</b>	KOA0383
<b>Size:</b>	1 Kit
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Mouse
<b>Range:</b>	62.5 pg/ml - 4000 pg/ml

**Product Details**

<b>Background:</b>	P-Cadherin, also known as Cadherin-3(CDH3), is a protein that in humans is encoded by the CDH3 gene. This gene is a classical cadherin from the cadherin superfamily. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congenital hypotrichosis with juvenile macular dystrophy. Cells expressing CDH3 also adhered to one another more tightly than the parental cell line.
<b>Synonyms:</b>	AI385538, CADH3_HUMAN, Cadherin 3, Cadherin 3 precursor, Cadherin 3 type 1, Cadherin-3, Cadp, Calcium dependent adhesion protein placental, CDH 3, CDH3, CDH3 protein, CDHP, HJMD, P cadherin (placental), P-cadherin, PCAD, Placental cadherin
<b>Detection Kit Type:</b>	ELISA Kit
<b>Detection Range:</b>	62.5 pg/ml - 4000 pg/ml
<b>Sensitivity:</b>	<10 pg/ml

**Target Details**

<b>Gene Name:</b>	CDH3
<b>Reactivity:</b>	Mouse
<b>Immunogen:</b>	Expression system for standard: NSO; Immunogen sequence: E100-G647
<b>Purity/Specificity:</b>	Oligomeric forms of natural and recombinant mouse P-Cadherin. There is no detectable cross-reactivity with other relevant proteins.

- Relevant Links:**
- [SDS](#)
  - [UniProtKB - P10287](#)
  - [NCBI - NP\\_001032898.1](#)
  - [GeneID - 12560](#)
  - [KOA0383 Protocol](#)
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## Application Details

**Tested Applications:** ELISA

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**Application Note:** Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml mouse P-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 mouse cell culture supernates or serum to each empty well. It is recommended that each mouse P-Cadherin standard solution and each sample be measured in duplicate.

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**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

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## Formulation

## Shipping & Handling

**Shipping Condition:** 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.

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

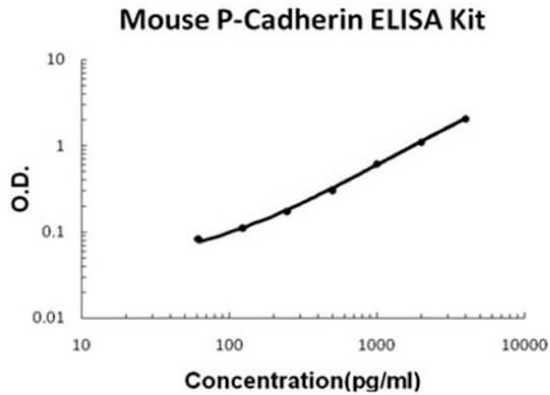
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## Images

**ELISA**

Mouse P-Cadherin AccuSignal ELISA Kit standard curve.

Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/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.