

## Mouse Cadherin-2/N-Cadherin AccuSignal ELISA Kit - KOA0664

**Code:** KOA0664

**Size:** 1 Kit

**Product Description:** Mouse Cadherin-2/N-Cadherin AccuSignal ELISA Kit - KOA0664

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	CDH2
<b>Species Reactivity</b>	Mouse
<b>Storage Condition</b>	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.
<b>Synonyms</b>	CDw325, CDHN, Neural cadherin, N-cadherin, CD325
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml mouse Cadherin-2 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, serum or plasma (heparin, EDTA) to each empty well. We recommend that each mouse Cadherin-2 standard solution and each sample is measured in duplicate.
<b>Background</b>	Cadherin-2(CDH2), also known as neural cadherin(NCAD), is a protein that in humans is encoded by the CDH2 gene. It is a classical cadherin from the cadherin superfamily. This gene is mapped to 18q12.1. Cadherin-2 is expressed in the brain, skeletal and cardiac muscle. Cadherin-2 is commonly found in cancer cells and provides a mechanism for transendothelial migration. It is a calcium dependent cell-cell adhesion glycoprotein comprising five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. The protein functions during gastrulation and is required for establishment of left-right asymmetry. At certain central nervous system synapses, presynaptic to postsynaptic adhesion is mediated at least in part by this gene product.
<b>Purity And Specificity</b>	Natural and recombinant mouse Cadherin-2. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	0.78ng/ml-50ng/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: NSO; Immunogen sequence: D160-A724
<b>Anti-Coagulant</b>	Heparin Sodium

**Related Products**

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

**Related Links**

UniProtKB - P15116

<http://www.uniprot.org/uniprot/P15116>

 NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_031690.3](http://www.ncbi.nlm.nih.gov/protein/NP_031690.3)  
 NP\_031690.3

GeneID - 12558

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=12558>

## **Disclaimer**

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