

Mouse Cadherin-2 (CDH2) ELISA Kit

Catalog No: #EK11652



Package Size: #EK11652-1 48T #EK11652-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Cadherin-2 (CDH2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CD325; CDHN; CDw325; NCAD; N-cadherin 1 cadherin 2; N-cadherin (neuronal) cadherin 2; type 1 calcium-dependent adhesion protein; neuronal neural cadherin
Accession No.	P15116
Uniprot	P15116
GenID	12558;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.055 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CDH2 in samples. An antibody specific for CDH2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCDH2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CDH2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CDH2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Cadherin 2, type 1, N-cadherin (neuronal), ?is a classical cadherin from the cadherin superfamily. The encoded protein 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. Reid and Hemperly (1990) obtained a full-length NCAD clone from a Kelly neuroblastoma library. The NCAD gene encodes a 907-amino acid protein that includes a 159-amino acid signal sequence. Human and mouse nucleotide sequences are 96% identical.

Note: This product is for in vitro research use only