

Cadherin-2/N-Cadherin ELISA Kit | CDH2 elisa kit

Dog Canine Cadherin-2/N-Cadherin PicoKine ELISA Kit

CATALOG # AAA124802	REACTIVITY Canine There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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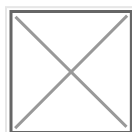
PRODUCT SYNONYMS

Cadherin-2/N-Cadherin; Dog Canine Cadherin-2/N-Cadherin PicoKine ELISA Kit; Cadherin-2; CDw325; Neural cadherin; N-cadherin; CD325; CDH2; CDHN; NCAD; CDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Dog Dog Canine Cadherin-2/N-Cadherin
Sequence Length	875
Assay Type	Quantitative Sandwich
Detection Range	0.78ng/ml-50ng/ml
Sensitivity	<20pg/ml
Applicable Applications for CDH2 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH2 elisa kit	<p>Principle of the Assay: Dog Dog Canine Cadherin-2/N-Cadherin ELISA Kit was based on standard sandwich enzyme- linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Dog Canine Cadherin-2/N-Cadherin has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: D160-A724) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Dog Canine Cadherin-2/N-Cadherin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Dog Dog Canine Cadherin-2/N-Cadherin amount of sample captured in plate.</p> <p>Background: Cadherin-2(CDH2), also known as neural cadherin(NCAD), is a protein that in Dog Canineas 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.</p>
Product Categories/Family for CDH2 elisa kit	Signal Transduction; Cytoskeleton/ECM; Cell Adhesion; cadherins

NCBI AND UNIPROT INFORMATION

NCBI GI #	815890961
NCBI GeneID	1000
NCBI Accession #	NP_001295105.1
NCBI GenBank Nucleotide #	NM_001308176.1
UniProt Accession #	P19022; Q14923; Q8N173; A8MWK3; B0YIY6
Molecular Weight	99809 MW
NCBI Official Full Name	cadherin-2 isoform 2
NCBI Official Synonym Full Names	cadherin 2
NCBI Official Symbol	CDH2
NCBI Official Synonym Symbols	CDHN; NCAD; CD325; CDw325
NCBI Protein Information	cadherin-2
UniProt Protein Name	Cadherin-2
UniProt Gene Name	CDH2
UniProt Synonym Gene Names	CDHN; NCAD; N-cadherin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.