

Human cadherin 2, type 1, N-cadherin (neuronal) ELISA Kit | CDH2 elisa kit

Human Neural -Cadherin, N-Cad ELISA Kit

CATALOG #
AAA80268

REACTIVITY
Human

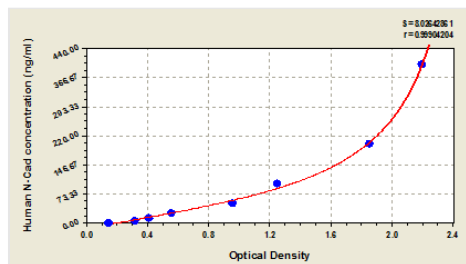
PRODUCT SYNONYMS

cadherin 2; type 1; N-cadherin (neuronal); Human Neural -Cadherin; N-Cad ELISA Kit; N-Cad ELISA kit; CD325; CDHN; CDw325; NCAD; N-cadherin 1; N-cadherin (neuronal) ; calcium-dependent adhesion protein; neuronal; neural cadherin; CDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human N-Cad. No significant cross-reactivity or interference between human N-Cad and analogues was observed.
Sequence Length	906
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	6.25 ng/ml -400 ng/ml.
Sensitivity	The minimum detectable dose of human N-Cad is typically less than 1.56 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for N-Cad has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any N-Cad present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for N-Cad is added to the wells. After washing, avidin 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 N-Cad bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14589889
NCBI GeneID	1000
NCBI Accession #	NP_001783.2
NCBI GenBank Nucleotide #	NM_001792.3
UniProt Accession #	P19022; Q14923; Q8N173; B0YIY6
Molecular Weight	99,809 Da
NCBI Official Full Name	cadherin-2 preproprotein
NCBI Official Synonym Full Names	cadherin 2, type 1, N-cadherin (neuronal)
NCBI Official Symbol	CDH2
NCBI Official Synonym Symbols	CDHN; NCAD; CD325; CDw325
NCBI Protein Information	cadherin-2; N-cadherin 1; neural cadherin; neural-cadherin; cadherin 2, N-cadherin (neuronal); calcium-dependent adhesion protein, neuronal
UniProt Protein Name	Cadherin-2
UniProt Gene Name	CDH2
UniProt Synonym Gene Names	CDHN; NCAD; N-cadherin
UniProt Entry Name	CADH2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/cdh2-human-elisa-kits/cadherin-2-type-1-n-cadherin-neuronal/80268>