

Human Cadherin-15 ELISA Kit | CDH15 elisa kit

Human Cadherin-15 PicoKine ELISA Kit

CATALOG #
AAA125305

REACTIVITY
Human

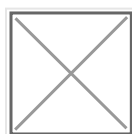
PRODUCT SYNONYMS

Cadherin-15; Human Cadherin-15 PicoKine ELISA Kit; Human Cadherin-15; cadherin 15; Cadherin-14; Muscle cadherin; M-cadherin; CDH15; CDH14; CDH3; CDH15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CDH15
Sequence Length	814
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
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 across 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH15 elisa kit	Principle of the Assay: The Picokine™ Human CDH15 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CDH15 with a 96-well strip plate that is pre-coated with antibody specific for CDH15. The detection antibody is a biotinylated antibody specific for CDH15. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human CDH15 with immunogen: Expression system for standard: NSO, Immunogen sequence: L61-A606. The kit is analytically validated with ready to use reagents. To measure Human CDH15, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human CDH15 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CDH15 in the sample.!!Background/Introduction: Cadherin-15 is a protein that in humans is encoded by the CDH15 gene. It is mapped to 16q24.3. This gene is a member of the cadherin superfamily of genes, encoding calcium-dependent intercellular adhesion glycoproteins. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Transcripts from this particular cadherin are expressed in myoblasts and upregulated in myotubule-forming cells. The protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826669
NCBI GeneID	1013
NCBI Accession #	NP_004924.1
NCBI GenBank Nucleotide #	NP_004924.1
UniProt Accession #	P55291
NCBI Official Full Name	cadherin-15 preproprotein
NCBI Official Synonym Full Names	cadherin 15
NCBI Official Symbol	CDH15
NCBI Official Synonym Symbols	CDH3; CDHM; MCAD; MRD3; CDH14
NCBI Protein Information	cadherin-15
UniProt Protein Name	Cadherin-15
UniProt Gene Name	CDH15
UniProt Synonym Gene Names	CDH14; CDH3; M-cadherin
UniProt Entry Name	CAD15_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/cdh15-human-elisa-kits/cadherin-15/125305>