

Human Cadherin-16, CDH16 ELISA Kit | CDH16 elisa kit

Human Cadherin-16, CDH16 Primacu ELISA Kit

CATALOG #
AAA124127

REACTIVITY
Human

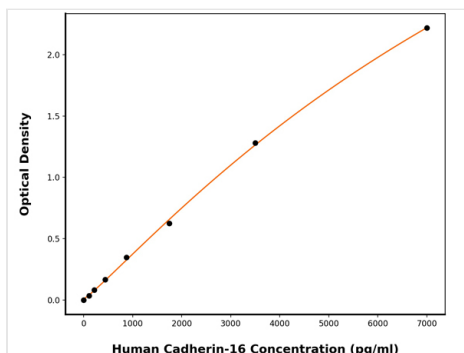
PRODUCT SYNONYMS

Cadherin-16; CDH16; Human Cadherin-16; CDH16 Primacu ELISA Kit; CDH16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	109.38-7000pg/mL
Sensitivity	27.62pg/mL
Standard Solution	70ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for CDH16 elisa kit	KSP-Cadherin/Cadherin-16 is a member of the cadherin superfamily, calcium-dependent, membrane-associated glycoproteins. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. KSP-Cadherin/Cadherin-16 can be detected at later stages of tubulogenesis during human renal development and in the distal tubules of adult kidneys, no expression was found by immunohistochemistry or Western blot analysis in RCC tumour tissues and several RCC cell lines. However, despite the lack of protein expression, mRNA synthesis of KSP-Cadherin/Cadherin-16 could be detected by reverse transcriptase-polymerase chain reaction analysis in all RCC tissues and most of the RCC cell lines studied, although at a reduced level. The loss of KSP-Cadherin/Cadherin-16 protein was only observed in the malignant part of the tumour kidneys, whereas in the normal part of the affected kidneys KSP-Cadherin/Cadherin-16 expression was clearly detected. These results indicate a downregulation of Ksp-cadherin in RCC and suggest a role for this cell adhesion molecule in tumour suppression.
Product Categories/Family for CDH16 elisa kit	Primacu ELISA Kit; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	325296969
NCBI GeneID	1014
NCBI Accession #	NP_001191673.1
NCBI GenBank Nucleotide #	NM_001204744.1
UniProt Accession #	O75309; Q6UW93; B4DPA8; H3BPD3
Molecular Weight	89,923 Da
NCBI Official Full Name	cadherin-16 isoform 2
NCBI Official Synonym Full Names	cadherin 16, KSP-cadherin
NCBI Official Symbol	CDH16
NCBI Protein Information	cadherin-16; KSP-cadherin; kidney-specific cadherin
UniProt Protein Name	Cadherin-16
UniProt Gene Name	CDH16
UniProt Synonym Gene Names	Ksp-cadherin
UniProt Entry Name	CAD16_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/human-elisa-kits/cadherin-16-cdh16/124127>