

Mouse VE-Cadherin/CD144 ELISA Kit | CDH5 elisa kit

Mouse VE-Cadherin/CD144 PicoKine ELISA Kit

CATALOG #
AAA45771

REACTIVITY
Mouse

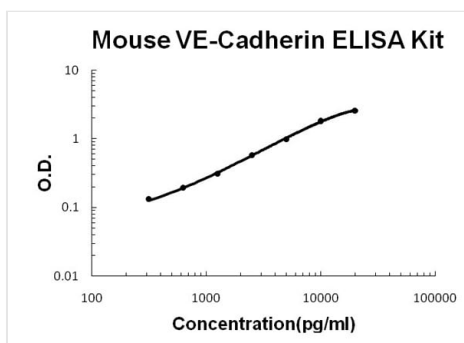
PRODUCT SYNONYMS

VE-Cadherin/CD144; Mouse VE-Cadherin/CD144 PicoKine ELISA Kit; Cadherin-5; cadherin 5; type 2 (vascular endothelium); 7B 4; 7B4; 7B4 antigen; CADH5_HUMAN; Cadherin 5; Cadherin 5 type 2; type 2; VE cadherin (vascular epithelium); cadherin; vascular endothelial; 1; Cadherin5; CD 144; CD144; CD144 antigen; CDH 5; CDH5; CDH5 protein; Endothelial specific cadherin; FLJ17376; OTTHUMP00000174777; Vascular endothelial cadherin; Vascular epithelium cadherin; VE Cad; VE-cadherin; VEC;; CDH5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse VE-Cadherin
Sequence Length	784
Samples	Cell culture supernates, serum, and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	< 10pg/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 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse VE-Cadherin/CD144 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CDH5 elisa kit	Principle of the assay: mouse VE-Cadherin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for VE-Cadherin has been precoated onto 96-well plates. Standards(NSO, D46-Q599) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for VE-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 mouse VE-Cadherin amount of sample captured in plate. Background: Cadherin 5, type 2 or VE-cadherin also known as CD144, is encoded by the gene CDH5. It is a classical cadherin from the cadherin superfamily. This gene is mapped to mouse chromosome 8. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It has found that PECAM1, VE-cadherin and VEGFR2 together are sufficient to confer responsiveness to flow in heterologous cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34588132
NCBI GeneID	12562
UniProt Accession #	P55284; O35542
Molecular Weight	87,903 Da
NCBI Official Full Name	Cadherin-5
NCBI Official Synonym Full Names	cadherin 5
NCBI Official Symbol	Cdh5
NCBI Official Synonym Symbols	7B4; Vec; VECD; Cd144; VEcad; VE-Cad; AA408225
NCBI Protein Information	cadherin-5; VE-cadherin; 7B4/cadherin-5; vascular endothelial cadherin
UniProt Protein Name	Cadherin-5
UniProt Gene Name	Cdh5
UniProt Synonym Gene Names	VE-cadherin
UniProt Entry Name	CADH5_MOUSE

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/cdh5-mouse-elisa-kits/ve-cadherin-cd144/45771>