

Mouse Vascular Endothelial Cadherin ELISA Kit | CDH5 elisa kit

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CATALOG #
AAA99422

REACTIVITY
Mouse

PRODUCT SYNONYMS

Vascular Endothelial Cadherin; Mouse Vascular Endothelial Cadherin ELISA Kit; VE-Cadherin/Cadherin-5/CD144/CDH5/7B4/7B4 antigen/cadherin 5; type 2 (vascular endothelium)/cadherin 5; type 2; VE-cadherin (vascular epithelium)/cadherin-5/CD144/CD144 antigen/endothelial-specific cadherin/FLJ17376/Vascular endothelial cadherin/VE-cadherin; CDH5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of VDR. No significant cross-reactivity or interference between VDR and analogues was observed.
Sequence Length	784
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VDR were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VDR were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a VE-Cadherin ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	D	0.781	1.562	3.125	6.25	12.5	25	50
Y	OD450	0.082	0.232	0.397	0.667	1.082	1.697	1.984	2.342

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH5 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-VDR antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-VDR antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 VDR amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of VDR can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1814076
NCBI GeneID	1003
Molecular Weight	74,499 Da
NCBI Official Full Name	vascular endothelial cadherin
NCBI Official Synonym Full Names	cadherin 5
NCBI Official Symbol	CDH5
NCBI Official Synonym Symbols	7B4; CD144
NCBI Protein Information	cadherin-5
UniProt Protein Name	Cadherin-5
UniProt Gene Name	CDH5
UniProt Synonym Gene Names	VE-cadherin
UniProt Entry Name	CADH5_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://www.aaabiotech.com/mouse-elisa-kits/vascular-endothelial-cadherin/99422>