

Human CD144 ELISA Kit | CDH5 elisa kit

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CATALOG #
AAA263032

REACTIVITY
Human

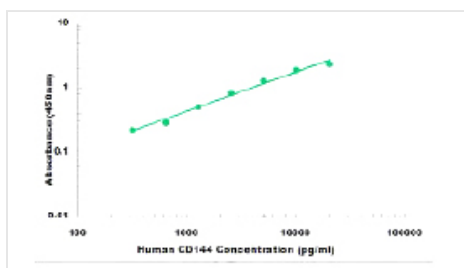
PRODUCT SYNONYMS

CD144; Human CD144 ELISA Kit; Cadherin-5; 7B4 antigen; Vascular endothelial cadherin; VE-cadherin; CDH5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD144 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD144 proteins within the range of 312 pg/ml - 20000 pg/ml.
Sequence Length	784
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDH5 elisa kit

Principle of the Assay: The Human CD144 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD144 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CD144 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD144 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD144 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD144 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166362713
NCBI GeneID	1003
NCBI Accession #	NP_001786.2
NCBI GenBank Nucleotide #	NM_001795.4
UniProt Accession #	P33151; Q4VAI5; Q4VAI6
Molecular Weight	74,499 Da
NCBI Official Full Name	cadherin-5 preproprotein
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/cdh5-human-elisa-kits/cd144/263032>