

Human Claudin 5 ELISA Kit | CLDN5 elisa kit

Human Claudin 5 ELISA Kit

CATALOG #
AAA17711

REACTIVITY
Human

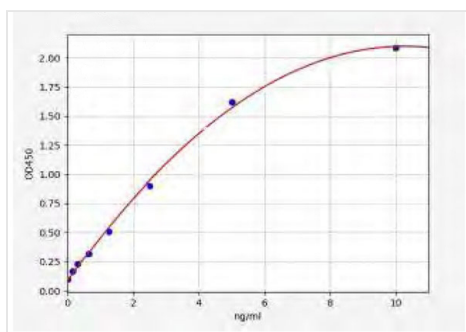
PRODUCT SYNONYMS

Claudin 5; Human Claudin 5 ELISA Kit; CLDN5/AWAL/BEC1/CLDN5/CPETRL1/TMDVCF/TMVCF1/AWALTransmembrane protein deleted in VCFS/BEC1/claudin 5/claudin-5/CPETRL1/TMVCFTMDVCF/transmembrane protein deleted in velocardiofacial syndrome; CLDN5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize CLDN5, no obvious cross reaction with other analogues
Sequence Length	218
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN5 elisa kit	Background: Claudin-5, highly expressed in brain and lung tissue, is a primary component of the tight junctions of bloodbrain barrier endothelial cells. The blood-brain barrier regulates homeostatic and pathological conditions in the brain by limiting passage of material circulating to the brain. The blood-brain barrier can also impede the effectiveness of small molecule therapeutics. Claudin-5 is also thought to regulate tumor cell motility brain metastasis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti CLDN5 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti CLDN5 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with CLDN5 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of CLDN5 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	37589904
NCBI GeneID	7122
Molecular Weight	23,147 Da
NCBI Official Full Name	Claudin 5
NCBI Official Synonym Full Names	claudin 5
NCBI Official Symbol	CLDN5
NCBI Official Synonym Symbols	AWAL; BEC1; TMVCF; CPETRL1
NCBI Protein Information	claudin-5
UniProt Protein Name	Claudin-5
UniProt Gene Name	CLDN5
UniProt Synonym Gene Names	AWAL; TMVCF; TMDVCF
UniProt Entry Name	CLD5_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.