

Human Claudin-3 ELISA Kit | CLDN3 elisa kit

Human Claudin-3 ELISA Kit

CATALOG #
AAA17336

REACTIVITY
Human

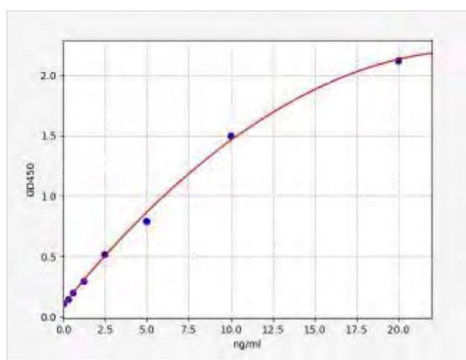
PRODUCT SYNONYMS

Claudin-3; Human Claudin-3 ELISA Kit; CLDN3 (Claudin-3)/CLDN3/CPE-R 2/CPETR2/HRVP1/C7orf1/claudin 3/Clostridium perfringens enterotoxin receptor 2/CPE-R 2/CPE-receptor 2/hRVP1/RVP1/Rat ventral prostate.1 protein homolog/RVP1/ventral prostate.1 protein homolog/ventral prostate.1-like protein; CLDN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize CLDN3, no obvious cross reaction with other analogues
Sequence Length	220
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/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 CLDN3 elisa kit	Background: Claudin-3 is the product of an intronless gene (CLDN3) whose expression is markedly dysregulated in distinct cancer subtypes, including ovarian and breast carcinomas. Reduced claudin-3 expression is also a hallmark of a subset of breast tumors known as the claudin-low subtype, in which reduced claudin-3 expression was shown to correlate with a phenotype characteristic of cells undergoing epithelial-mesenchymal transition. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti CLDN3 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti CLDN3 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 CLDN3 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 CLDN3 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502875
NCBI GeneID	1365
NCBI Accession #	NP_001297.1
NCBI GenBank Nucleotide #	NM_001306.3
Molecular Weight	23,319 Da
NCBI Official Full Name	claudin-3
NCBI Official Synonym Full Names	claudin 3
NCBI Official Symbol	CLDN3
NCBI Official Synonym Symbols	RVP1; HRVP1; C7orf1; CPE-R2; CPETR2
NCBI Protein Information	claudin-3
UniProt Protein Name	Claudin-3
UniProt Gene Name	CLDN3
UniProt Synonym Gene Names	C7orf1; CPETR2; CPE-R 2; CPE-receptor 2; hRVP1
UniProt Entry Name	CLD3_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.