

Mouse Claudin 3 (CLDN3) ELISA Kit | CLDN3 elisa kit

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CATALOG #
AAA66508

REACTIVITY
Mouse

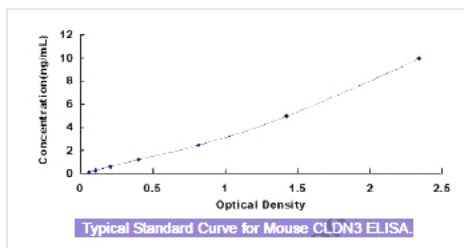
PRODUCT SYNONYMS

Claudin 3 (CLDN3); Mouse Claudin 3 (CLDN3) ELISA Kit; C7orf1; CPE-R2; CPETR2; HRVP1; RVP1; Clostridium Perfringens Enterotoxin Receptor 2; Ventral Prostate.1-Like Protein; CPE-Receptor 2; CLDN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CLDN3. No significant cross-reactivity or interference between CLDN3 and analogues was observed.
Sequence Length	219
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CLDN3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CLDN3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CLDN3 in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CLDN3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CLDN3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CLDN3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CLDN3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6753438
NCBI GeneID	12739
NCBI Accession #	NP_034032.1
NCBI GenBank Nucleotide #	NM_009902.4
UniProt Accession #	Q9Z0G9; Q91X40
Molecular Weight	21,227 Da
NCBI Official Full Name	claudin-3
NCBI Official Synonym Full Names	claudin 3
NCBI Official Symbol	Cldn3
NCBI Official Synonym Symbols	mRVP1; Cpetr2; AI182374
NCBI Protein Information	claudin-3
UniProt Protein Name	Claudin-3
UniProt Gene Name	Cldn3
UniProt Synonym Gene Names	Cpetr2; CPE-R 2; CPE-receptor 2

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.