

Rat Claudin 16 (CLDN16) ELISA Kit | CLDN16 elisa kit

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CATALOG #
AAA186787

REACTIVITY
Rat

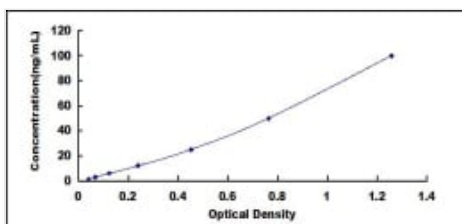
PRODUCT SYNONYMS

Claudin 16 (CLDN16); Rat Claudin 16 (CLDN16) ELISA Kit; PCLN1; HOMG3; Paracellin-1; Hypomagnesemia 3; With Hypercalciuria And Nephrocalcinosis; CLDN16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Claudin 16 (CLDN16). No significant cross-reactivity or interference between Claudin 16 (CLDN16) and analogues was observed.
Sequence Length	305
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.53ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Claudin 16 (CLDN16) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Claudin 16 (CLDN16) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN16 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Claudin 16 (CLDN16). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Claudin 16 (CLDN16). 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 Claudin 16 (CLDN16), 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 Claudin 16 (CLDN16) 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 #	5729970
NCBI GeneID	10686
NCBI Accession #	NP_006571.1
NCBI GenBank Nucleotide #	NM_006580.3
UniProt Accession #	Q9Y5I7
Molecular Weight	33,836 Da
NCBI Official Full Name	claudin-16
NCBI Official Synonym Full Names	claudin 16
NCBI Official Symbol	CLDN16
NCBI Official Synonym Symbols	HOMG3; PCLN1
NCBI Protein Information	claudin-16
UniProt Protein Name	Claudin-16
UniProt Gene Name	CLDN16
UniProt Synonym Gene Names	PCLN1; PCLN-1

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.