

Rat Claudin 5 (CLDN5) ELISA Kit | CLDN5 elisa kit

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CATALOG #
AAA20584

REACTIVITY
Rat

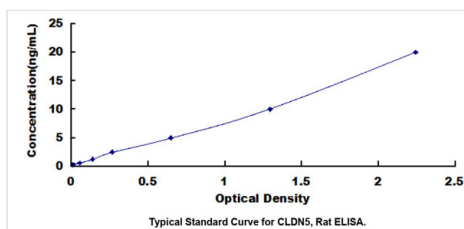
PRODUCT SYNONYMS

Claudin 5 (CLDN5); Rat Claudin 5 (CLDN5) ELISA Kit; AWAL; BEC1; CPETRL1; TMVCF; Transmembrane Protein Deleted In Velocardiofacial Syndrome; Transmembrane protein deleted in VCFS; CLDN5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CLDN5. No significant cross-reactivity or interference between CLDN5 and analogues was observed.
Sequence Length	218
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.118ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CLDN5 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 CLDN5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 CLDN5 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CLDN5. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CLDN5. 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 CLDN5, 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 $\pm$ 10nm. The concentration of CLDN5 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CLDN5 in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for CLDN5 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	195947374
NCBI GeneID	7122
NCBI Accession #	NP_001124333.1
NCBI GenBank Nucleotide #	NM_001130861.1
UniProt Accession #	O00501; Q53XW2; Q8WUW3; B3KS11
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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/claudin-5-cldn5/20584>