

Porcine CLDN4 ELISA Kit | CLDN4 elisa kit

Porcine CLDN4 (Claudin 4) ELISA Kit

CATALOG #
AAA164384

REACTIVITY
Porcine

PRODUCT SYNONYMS

CLDN4; Porcine CLDN4 (Claudin 4) ELISA Kit; CLDN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This kit recognizes Porcine CLDN4 in samples. No significant cross-reactivity or interference between Porcine CLDN4 and analogues was observed.
Sequence Length	209
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Porcine CLDN4 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Porcine CLDN4 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for CLDN4 elisa kit

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Porcine CLDN4 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Porcine CLDN4. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Porcine CLDN4 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Porcine CLDN4, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Porcine CLDN4. You can calculate the concentration of Porcine CLDN4 in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502877
NCBI GeneID	1364
NCBI Accession #	NP_001296.1

NCBI GenBank Nucleotide #	NM_001305.4
UniProt Accession #	O14493
Molecular Weight	22,077 Da
NCBI Official Full Name	claudin-4
NCBI Official Synonym Full Names	claudin 4
NCBI Official Symbol	CLDN4
NCBI Official Synonym Symbols	CPER; CPE-R; CPETR; CPETR1; WBSCR8; hCPE-R
NCBI Protein Information	claudin-4; CPE-receptor; Clostridium perfringens enterotoxin receptor 1; Williams-Beuren syndrome chromosomal region 8 protein
UniProt Protein Name	Claudin-4
UniProt Gene Name	CLDN4
UniProt Synonym Gene Names	CPER; CPETR1; WBSCR8; CPE-R; CPE-receptor
UniProt Entry Name	CLD4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/porcine-elisa-kits/cldn4/164384>