

Porcine CLDN1 ELISA Kit | CLDN1 elisa kit

Porcine CLDN1 (Claudin 1) ELISA Kit

CATALOG #
AAA164895

REACTIVITY
Porcine

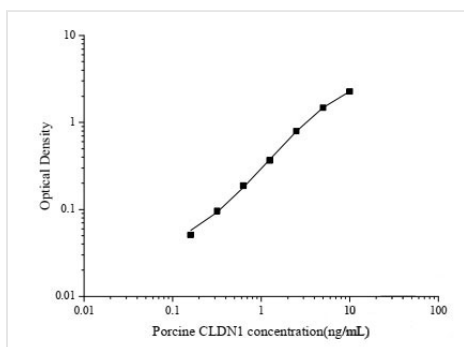
PRODUCT SYNONYMS

CLDN1; Porcine CLDN1 (Claudin 1) ELISA Kit; CLDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This kit recognizes Porcine CLDN1 in samples. No significant cross-reactivity or interference between Porcine CLDN1 and analogues was observed
Sequence Length	211
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10 ng/mL
Sensitivity	0.09 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Porcine CLDN1 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 CLDN1 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN1 elisa kit	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 CLDN1. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Porcine CLDN1 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 CLDN1, 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 ± 2 nm. The OD value is proportional to the concentration of Porcine CLDN1. You can calculate the concentration of Porcine CLDN1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Porcine CLDN1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10863887
NCBI GeneID	9076
NCBI Accession #	NP_066924.1
NCBI GenBank Nucleotide #	NM_021101.4
UniProt Accession #	O95832
Molecular Weight	22,744 Da
NCBI Official Full Name	claudin-1
NCBI Official Synonym Full Names	claudin 1
NCBI Official Symbol	CLDN1
NCBI Official Synonym Symbols	CLD1; SEMP1; ILVASC
NCBI Protein Information	claudin-1; senescence-associated epithelial membrane protein 1
UniProt Protein Name	Claudin-1
UniProt Gene Name	CLDN1
UniProt Synonym Gene Names	CLD1; SEMP1
UniProt Entry Name	CLD1_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.