

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

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CATALOG #
AAA246092

REACTIVITY
Porcine

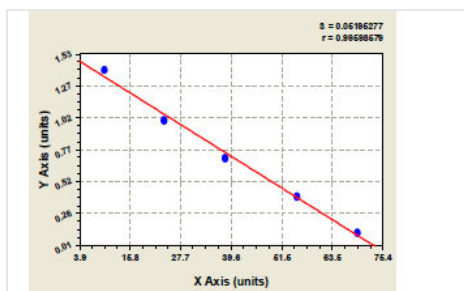
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN4 elisa kit

Intended Uses: This CLDN4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CLDN4. This ELISA kit for research use only!

Principle of the Assay: CLDN4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-CLDN4 antibody and an CLDN4-HRP conjugate. The assay sample and buffer are incubated together with CLDN4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CLDN4 concentration since CLDN4 from samples and CLDN4-HRP conjugate compete for the anti-CLDN4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN4 from the sample, fewer sites are left to bind CLDN4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CLDN4 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	12653771
NCBI GeneID	1364
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.

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Online datasheet: <https://stage.aaabiotech.com/porcine-elisa-kits/claudin-4-cldn4/246092>