

Human claudin 4 ELISA Kit | CLDN4 elisa kit

Human Claudin 4, CLDN4 ELISA Kit

CATALOG #
AAA18368

REACTIVITY
Human

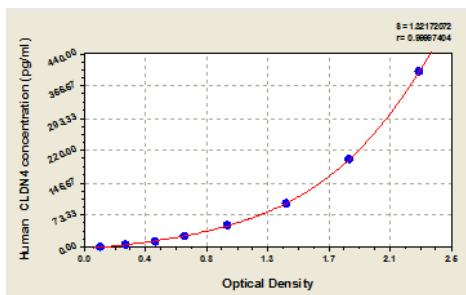
PRODUCT SYNONYMS

claudin 4; Human Claudin 4; CLDN4 ELISA Kit; Human Claudin 4 (CLDN4) ELISA Kit; CPE-R; CPER; CPETR; CPETR1; WBSCR8; hCPE-R; Clostridium perfringens enterotoxin receptor 1; OTTHUMP00000160507; OTTHUMP00000211778; Williams-Beuren syndrome chromosomal region 8 protein; CLDN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CLDN4. No significant cross-reactivity or interference between human CLDN4 and analogues was observed.
Sequence Length	209
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	6.25 pg/ml-400 pg/ml
Sensitivity	< 1.56 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CLDN4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CLDN4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CLDN4 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CLDN4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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.

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Online datasheet: <https://stage.aaabiotech.com/cldn4-human-elisa-kits/claudin-4/18368>