

Human claudin 7 ELISA Kit | CLDN7 elisa kit

Human Claudin-7, CLDN7 ELISA Kit

CATALOG #
AAA18080

REACTIVITY
Human

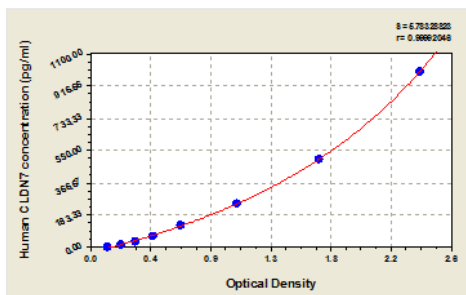
PRODUCT SYNONYMS

claudin 7; Human Claudin-7; CLDN7 ELISA Kit; Human Claudin-7 (CLDN7) ELISA kit; CEPTRL2; CPETRL2; Hs.84359; claudin-1; Clostridium perfringens enterotoxin receptor-like 2; claudin 9; CLDN7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CLDN7. No significant cross-reactivity or interference between human CLDN7 and analogues was observed.
Sequence Length	211
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 3.9 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 CLDN7 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CLDN7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CLDN7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CLDN7 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 CLDN7 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 #	297206811
NCBI GeneID	1366
NCBI Accession #	NP_001171951.1
NCBI GenBank Nucleotide #	NM_001185022.1
UniProt Accession #	O95471; Q6IPN3; Q7Z4Y7; Q9BVN0; B2R9X7; D3DTP0
Molecular Weight	22,418 Da
NCBI Official Full Name	claudin-7 isoform 1
NCBI Official Synonym Full Names	claudin 7
NCBI Official Symbol	CLDN7
NCBI Official Synonym Symbols	CLDN-7; CEPTRL2; CPETRL2; Hs.84359; claudin-1
NCBI Protein Information	claudin-7; clostridium perfringens enterotoxin receptor-like 2
UniProt Protein Name	Claudin-7
UniProt Gene Name	CLDN7
UniProt Synonym Gene Names	CEPTRL2; CPETRL2; CLDN-7
UniProt Entry Name	CLD7_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/cldn7-human-elisa-kits/claudin-7/18080>