

Human Claudin 7 (CLDN7) ELISA Kit | CLDN7 elisa kit

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CATALOG #
AAA245076

REACTIVITY
Human

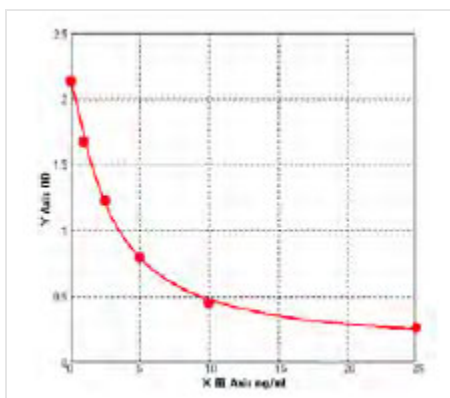
PRODUCT SYNONYMS

Claudin 7 (CLDN7); Human Claudin 7 (CLDN7) ELISA Kit; CLDN7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 CLDN7 elisa kit

Intended Uses: This CLDN7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CLDN7. This ELISA kit for research use only!

Principle of the Assay: CLDN7 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CLDN7 antibody and an CLDN7-HRP conjugate. The assay sample and buffer are incubated together with CLDN7-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 CLDN7 concentration since CLDN7 from samples and CLDN7-HRP conjugate compete for the anti-CLDN7 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN7 from the sample, fewer sites are left to bind CLDN7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN7 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47938322
NCBI GeneID	1366
Molecular Weight	16,837 Da
NCBI Official Full Name	Claudin 7
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/claudin-7-cldn7/245076>