

Rat Claudin-3 (CLDN3) ELISA Kit | CLDN3 elisa kit

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CATALOG #
AAA246305

REACTIVITY
Rat

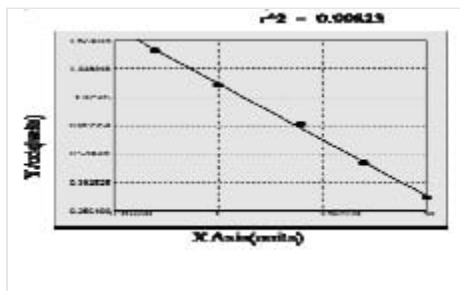
PRODUCT SYNONYMS

Claudin-3 (CLDN3); Rat Claudin-3 (CLDN3) ELISA Kit; CLDN3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN3 elisa kit

Intended Uses: This CLDN-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CLDN-3. This ELISA kit for research use only!

Principle of the Assay||CLDN-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CLDN-3 antibody and an CLDN-3-HRP conjugate. The assay sample and buffer are incubated together with CLDN-3-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 CLDN-3 concentration since CLDN-3 from samples and CLDN-3-HRP conjugate compete for the anti-CLDN-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN-3 from the sample, fewer sites are left to bind CLDN-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN-3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CLDN3 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502875
NCBI GeneID	1365
NCBI Accession #	NP_001297.1
NCBI GenBank Nucleotide #	NM_001306.3
Molecular Weight	23,319 Da
NCBI Official Full Name	claudin-3
NCBI Official Synonym Full Names	claudin 3
NCBI Official Symbol	CLDN3
NCBI Official Synonym Symbols	RVP1; HRVP1; C7orf1; CPE-R2; CPETR2
NCBI Protein Information	claudin-3; CPE-R 2; CPE-receptor 2; ventral prostate.1-like protein; ventral prostate.1 protein homolog; Clostridium perfringens enterotoxin receptor 2
UniProt Protein Name	Claudin-3
UniProt Gene Name	CLDN3
UniProt Synonym Gene Names	C7orf1; CPETR2; CPE-R 2; CPE-receptor 2; hRVP1
UniProt Entry Name	CLD3_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/rat-elisa-kits/claudin-3-cldn3/246305>