

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

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CATALOG #
AAA246155

REACTIVITY
Canine

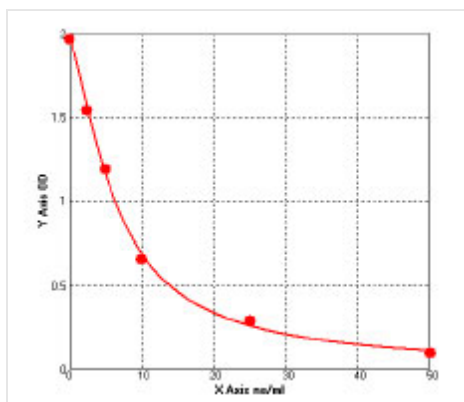
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CLDN3. No significant cross-reactivity or interference between CLDN3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CLDN3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 CLDN3 elisa kit	Principle of the Assay: CLDN3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CLDN3 antibody and an CLDN3-HRP conjugate. The assay sample and buffer are incubated together with CLDN3-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 CLDN3 concentration since CLDN3 from samples and CLDN3-HRP conjugate compete for the anti-CLDN3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN3 from the sample, fewer sites are left to bind CLDN3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN3 concentration in each sample is interpolated from this standard curve. Intended Uses: This CLDN3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CLDN3. This ELISA kit for research use only, not for therapeutic or test applications!
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.