

Rat Claudin-5 (CLDN5) ELISA Kit | CLDN5 elisa kit

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CATALOG #
AAA246867

REACTIVITY
Rat

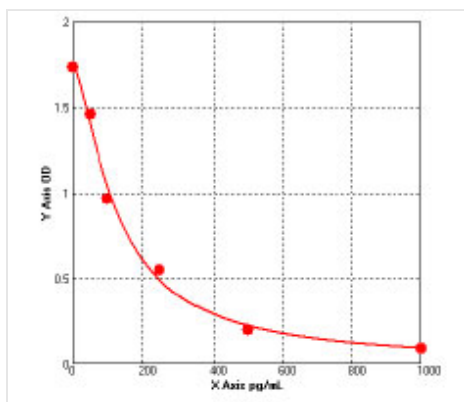
PRODUCT SYNONYMS

Claudin-5 (CLDN5); Rat Claudin-5 (CLDN5) ELISA Kit; CLDN5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CLDN5. No significant cross-reactivity or interference between CLDN5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CLDN5 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN5 elisa kit	Principle of the Assay: CLDN5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CLDN5 antibody and an CLDN5-HRP conjugate. The assay sample and buffer are incubated together with CLDN5-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 CLDN5 concentration since CLDN5 from samples and CLDN5-HRP conjugate compete for the anti-CLDN5 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN5 from the sample, fewer sites are left to bind CLDN5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN5 concentration in each sample is interpolated from this standard curve. Intended Uses: This CLDN5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CLDN5. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CLDN5 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	195947374
NCBI GeneID	7122
NCBI Accession #	NP_001124333.1
NCBI GenBank Nucleotide #	NM_001130861.1
Molecular Weight	23,147 Da
NCBI Official Full Name	claudin-5
NCBI Official Synonym Full Names	claudin 5
NCBI Official Symbol	CLDN5
NCBI Official Synonym Symbols	AWAL; BEC1; TMVCF; CPETRL1
NCBI Protein Information	claudin-5; TMDVCF; transmembrane protein deleted in VCFS; transmembrane protein deleted in velocardiofacial syndrome
UniProt Protein Name	Claudin-5
UniProt Gene Name	CLDN5
UniProt Synonym Gene Names	AWAL; TMVCF; TMDVCF
UniProt Entry Name	CLD5_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.