

Human Claudin 5 (CLDN5) ELISA Kit | CLDN5 elisa kit

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CATALOG #
AAA246169

REACTIVITY
Human

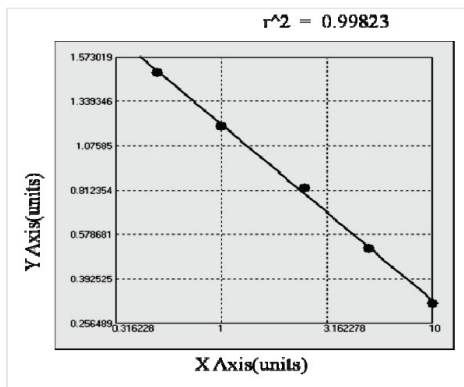
PRODUCT SYNONYMS

Claudin 5 (CLDN5); Human Claudin 5 (CLDN5) ELISA Kit; CLDN5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CLDN5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CLDN5. This ELISA kit for research use only, not for therapeutic applications!
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 monoclonal 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.
Product Categories/Family for CLDN5 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	37589904
NCBI GeneID	7122
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/claudin-5-cldn5/246169>