

Human Claudin 18 (CLDN18) ELISA Kit | CLDN18 elisa kit

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CATALOG #
AAA246072

REACTIVITY
Human

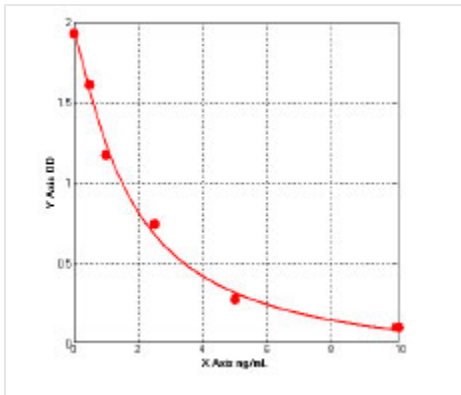
PRODUCT SYNONYMS

Claudin 18 (CLDN18); Human Claudin 18 (CLDN18) ELISA Kit; CLDN18 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 CLDN18 elisa kit

Intended Uses: This CLDN-18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CLDN-18. This ELISA kit for research use only!

Principle of the Assay: CLDN-18 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CLDN-18 antibody and an CLDN-18-HRP conjugate. The assay sample and buffer are incubated together with CLDN-18-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-18 concentration since CLDN-18 from samples and CLDN-18-HRP conjugate compete for the anti-CLDN-18 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN-18 from the sample, fewer sites are left to bind CLDN-18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN-18 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345279
NCBI GeneID	51208
NCBI Accession #	NP_001002026.1
NCBI GenBank Nucleotide #	NM_001002026.2
Molecular Weight	27,720 Da
NCBI Official Full Name	claudin-18 isoform 2
NCBI Official Synonym Full Names	claudin 18
NCBI Official Symbol	CLDN18
NCBI Official Synonym Symbols	SFTA5; SFTPJ
NCBI Protein Information	claudin-18; surfactant associated 5; surfactant associated protein J; surfactant, pulmonary associated protein J
UniProt Protein Name	Claudin-18
UniProt Gene Name	CLDN18
UniProt Synonym Gene Names	UNQ778/PRO1572
UniProt Entry Name	CLD18_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.