

Chicken Claudin 1 ELISA Kit | CLDN1 elisa kit

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CATALOG #
AAA88475

REACTIVITY
Chicken

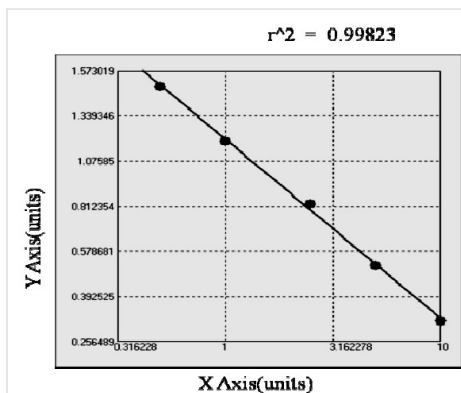
PRODUCT SYNONYMS

Claudin 1; Chicken Claudin 1 ELISA Kit; CLDN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1ng/mL.
Intended Uses	This Claudin 1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken Claudin 1. 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 CLDN1 elisa kit

Principle of the assay: Claudin 1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Claudin 1 antibody and an Claudin 1-HRP conjugate. The assay sample and buffer are incubated together with Claudin 1-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 Claudin 1 concentration since Claudin 1 from samples and Claudin 1-HRP conjugate compete for the anti-Claudin 1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Claudin 1 from the sample, fewer sites are left to bind Claudin 1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Claudin 1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863887
NCBI GeneID	9076
NCBI Accession #	NP_066924.1
NCBI GenBank Nucleotide #	NM_021101.4
Molecular Weight	22,744 Da
NCBI Official Full Name	claudin-1
NCBI Official Synonym Full Names	claudin 1
NCBI Official Symbol	CLDN1
NCBI Official Synonym Symbols	CLD1; SEMP1; ILVASC
NCBI Protein Information	claudin-1; senescence-associated epithelial membrane protein 1
UniProt Protein Name	Claudin-1
UniProt Gene Name	CLDN1
UniProt Synonym Gene Names	CLD1; SEMP1; UNQ481/PRO944
UniProt Entry Name	CLD1_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.