

Human Claudin-8 (CLDN8) ELISA Kit | CLDN8 elisa kit

Human Claudin-8 (CLDN8) ELISA Kit

CATALOG #
AAA331969

REACTIVITY
Human

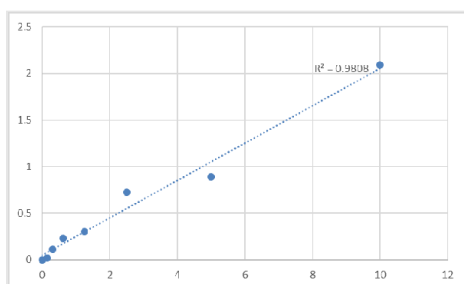
PRODUCT SYNONYMS

Claudin-8 (CLDN8); Human Claudin-8 (CLDN8) ELISA Kit; OTTHUMP00000101915; CLDN8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Claudin-8 (CLDN8) ELISA Kit has high sensitivity and excellent specificity for detection of Human CLDN8. No significant cross-reactivity or interference between Human CLDN8 and analogues was observed.
Sequence Length	225
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Claudin-8 (CLDN8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for CLDN8 elisa kit	Description: This Human Claudin-8 (CLDN8) ELISA Kit employs a two-site sandwich ELISA to quantitate CLDN8 in samples. An antibody specific for CLDN8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CLDN8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CLDN8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CLDN8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Claudins, such as CLDN8, are components of epithelial cell tight junctions. Tight junctions regulate movement of solutes and ions through the paracellular space and prevent mixing of proteins and lipids in the outer leaflet of the apical and basolateral plasma membrane domains. Cldn8 expression reduced paracellular permeability to monovalent inorganic and organic cations and to divalent cations, but not to anions or neutral substrates. The results were consistent with a model in which CLDN2 encodes a highly cation-permeable channel, whereas CLDN8 acts primarily as a cation barrier. Cldn8 was expressed primarily at the tight junction along the entire aldosterone-sensitive distal nephron and in the late segments of the thin descending limbs of long-looped nephrons.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	40788011
NCBI GeneID	9073
NCBI Accession #	NP_955360.1
NCBI GenBank Nucleotide #	NP_955360.1
UniProt Accession #	P56748
NCBI Official Full Name	claudin-8
NCBI Official Synonym Full Names	claudin 8
NCBI Official Symbol	CLDN8
NCBI Official Synonym Symbols	HEL-S-79
NCBI Protein Information	claudin-8
UniProt Protein Name	Claudin-8
UniProt Gene Name	CLDN8
UniProt Entry Name	CLD8_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.