

Human Claudin 11 (CLDN11) ELISA Kit | CLDN11 elisa kit

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CATALOG #
AAA63564

REACTIVITY
Human

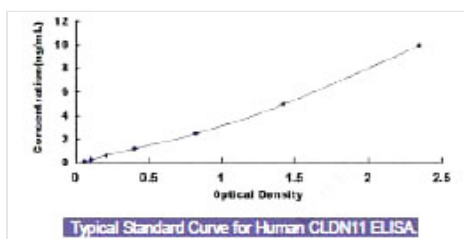
PRODUCT SYNONYMS

Claudin 11 (CLDN11); Human Claudin 11 (CLDN11) ELISA Kit; Oligodendrocyte-specific protein; OSP; OTM; CLDN11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CLDN11. No significant cross-reactivity or interference between CLDN11 and analogues was observed.
Sequence Length	207
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CLDN11 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CLDN11 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLDN11 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CLDN11 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CLDN11. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CLDN11. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CLDN11, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CLDN11 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10938016
NCBI GeneID	5010
NCBI Accession #	NP_005593.2
NCBI GenBank Nucleotide #	NM_005602.5
UniProt Accession #	O75508; Q5U0P3; B2R7C1; D3DNQ5
Molecular Weight	21,993 Da
NCBI Official Full Name	claudin-11 isoform 1
NCBI Official Synonym Full Names	claudin 11
NCBI Official Symbol	CLDN11
NCBI Official Synonym Symbols	OSP; OTM
NCBI Protein Information	claudin-11
UniProt Protein Name	Claudin-11
UniProt Gene Name	CLDN11
UniProt Synonym Gene Names	OSP; OTM

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.