

Human Occludin (OCLN) RTU ELISA Kit | OCLN rtu elisa kit

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CATALOG #
AAA217532

REACTIVITY
Human

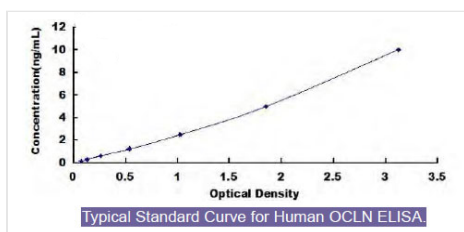
PRODUCT SYNONYMS

Occludin (OCLN); Human Occludin (OCLN) ELISA Kit; Tight Junction Protein Occludin TM4 Minus; OCLN rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of OCLN. No significant cross-reactivity or interference between OCLN and analogues was observed.
Sequence Length	522
Samples	Human tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level OCLN 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 OCLN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OCLN rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of OCLN in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to OCLN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to OCLN. 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 OCLN, 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 OCLN 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 #	327478414
NCBI GeneID	100506658
NCBI Accession #	NP_001192183.1
NCBI GenBank Nucleotide #	NM_001205254.1
UniProt Accession #	Q16625; Q5U1V4; Q8N6K1; B5BU70; D2DU64; D2DU65; D2IGC0; D2IGC1; E2CYV9
Molecular Weight	8,175 Da
NCBI Official Full Name	occludin isoform a
NCBI Official Synonym Full Names	occludin
NCBI Official Symbol	OCLN
NCBI Official Synonym Symbols	BLCPMG; PTORCH1; PPP1R115
NCBI Protein Information	occludin
UniProt Protein Name	Occludin
UniProt Gene Name	OCLN

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.