

Human Tight Junction Protein 3 ELISA Kit | TJP3 elisa kit

Human Tight Junction Protein 3 (TJP3) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189959

REACTIVITY
Human

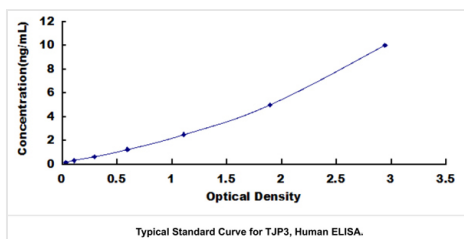
PRODUCT SYNONYMS

Tight Junction Protein 3; Human Tight Junction Protein 3 (TJP3) (Sandwich ELISA) ELISA Kit; ZO-3; Zona Occludens 3; Zonula occludens protein 3; ELISA Kit for Tight Junction Protein 3 (TJP3); TJP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TJP3. No significant cross-reactivity or interference between TJP3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TJP3 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 TJP3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TJP3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TJP3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TJP3. 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 TJP3, 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 TJP3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TJP3 in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for TJP3 elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	597439632
NCBI GeneID	27134
UniProt Accession #	O95049; Q32N01; A6NFP3; B3KR73; B3KXZ0; B4E2W6; F5H2X0; F5H4S9; K7EK22
Molecular Weight	97,488 Da
NCBI Official Full Name	Tight junction protein ZO-3
NCBI Official Synonym Full Names	tight junction protein 3
NCBI Official Symbol	TJP3
NCBI Official Synonym Symbols	ZO3; ZO-3
NCBI Protein Information	tight junction protein ZO-3; zona occludens protein 3; zonula occludens protein 3; tight junction protein 3 (zona occludens 3)
UniProt Protein Name	Tight junction protein ZO-3
UniProt Gene Name	TJP3
UniProt Synonym Gene Names	ZO3
UniProt Entry Name	ZO3_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.