

Mouse Tight Junction Protein ZO-2 (TJP2) ELISA Kit | TJP2 elisa kit

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CATALOG #
AAA332231

REACTIVITY
Mouse

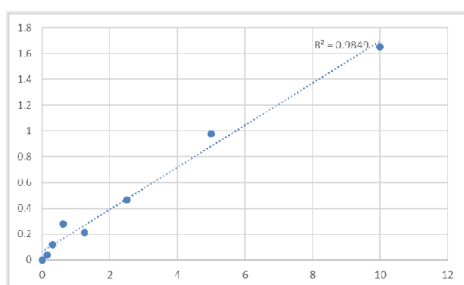
PRODUCT SYNONYMS

Tight Junction Protein ZO-2 (TJP2); Mouse Tight Junction Protein ZO-2 (TJP2) ELISA Kit; TJP2; RP11-16N10.1; MGC26306; X104; ZO2; Friedreich ataxia region gene X104 (tight junction protein ZO-2); tight junction protein 2; tight junction protein ZO 2; zonula occludens protein 2; TJP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Tight junction protein ZO-2 (TJP2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TJP2. No significant cross-reactivity or interference between Mouse TJP2 and analogues was observed.
Sequence Length	1167
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. Mouse Tight junction protein ZO-2 (TJP2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TJP2 elisa kit	Description: This Mouse Tight junction protein ZO-2 (TJP2) ELISA Kit employs a two-site sandwich ELISA to quantitate TJP2 in samples. An antibody specific for TJP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TJP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TJP2 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 TJP2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TJP2 encodes a zonula occluden that is a member of the membrane-associated guanylate kinase homolog family. The encoded protein functions as a component of the tight junction barrier in epithelial and endothelial cells and is necessary for proper assembly of tight junctions. Mutation in this gene have been identified in patients with hypercholanemia. Alternate splicing results in multiple transcript variants. This protein is found in epithelial cell junctions. Isoform A1 is abundant in the heart and brain whereas isoform C1 is expressed at high level in the kidney, pancreas, heart and placenta. In brain and skeletal muscle, only isoform A1 is detectable. Isoform C1 is found in normal as well as in most neoplastic tissues while isoform A1 is present almost exclusively in normal tissue.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94730446
NCBI GeneID	21873
UniProt Accession #	Q9Z0U1
NCBI Official Full Name	Tight junction protein ZO-2
NCBI Official Synonym Full Names	tight junction protein 2
NCBI Official Symbol	Tjp2
NCBI Official Synonym Symbols	ZO-2
NCBI Protein Information	tight junction protein ZO-2
UniProt Protein Name	Tight junction protein ZO-2
UniProt Gene Name	Tjp2
UniProt Synonym Gene Names	Zo2
UniProt Entry Name	ZO2_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/tight-junction-protein-zo-2-tjp2/332231>