

## Rat tight junction protein 1 (ZO1) ELISA Kit | ZO1 elisa kit

Rat tight junction protein 1, ZO1 ELISA Kit

CATALOG #  
**AAA15829**

REACTIVITY  
**Rat**

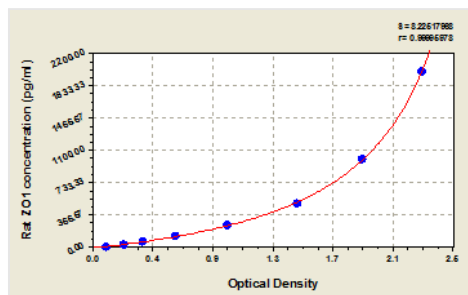
### PRODUCT SYNONYMS

tight junction protein 1 (ZO1); Rat tight junction protein 1; ZO1 ELISA Kit; Rat tight junction protein 1 (ZO1) ELISA Kit; DKFZp686M05161; MGC133289; ZO-1; tight junction protein 1; tight junction protein ZO-1; zona occludens 1; zonula occludens 1 protein; ZO1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of rat ZO1. No significant cross-reactivity or interference between rat ZO1 and analogues was observed. |
| Sequence Length         | 1769                                                                                                                                                                            |
| Assay Type              | Quantitative Sandwich                                                                                                                                                           |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates                                                                                                                                 |
| Detection Range         | 31.25 pg/ml-2000 pg/ml                                                                                                                                                          |
| Sensitivity             | < 7.8 pg/ml                                                                                                                                                                     |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                         |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                               |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ZO1 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ZO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ZO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZO1 is added to the wells. After washing, avidin 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 ZO1 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| NCBI GI #                     | 55741803                                                                                              |
| NCBI GeneID                   | 403752                                                                                                |
| NCBI Accession #              | NP_001003140.1                                                                                        |
| NCBI GenBank Nucleotide #     | NM_001003140.1                                                                                        |
| UniProt Accession #           | O97758                                                                                                |
| Molecular Weight              | 197,607 Da                                                                                            |
| NCBI Official Full Name       | tight junction protein ZO-1                                                                           |
| NCBI Official Symbol          | TJP1                                                                                                  |
| NCBI Official Synonym Symbols | ZO1; ZO-1                                                                                             |
| NCBI Protein Information      | tight junction protein ZO-1; zonula occludens 1; zona occludens protein 1; zonula occludens protein 1 |
| UniProt Protein Name          | Tight junction protein ZO-1                                                                           |
| UniProt Gene Name             | TJP1                                                                                                  |
| UniProt Synonym Gene Names    | ZO1                                                                                                   |
| UniProt Entry Name            | ZO1_CANFA                                                                                             |

**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.