

## Human Claudin 3 (CLDN3) ELISA Kit | CLDN3 elisa kit

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CATALOG #  
**AAA246600**

REACTIVITY  
**Human**

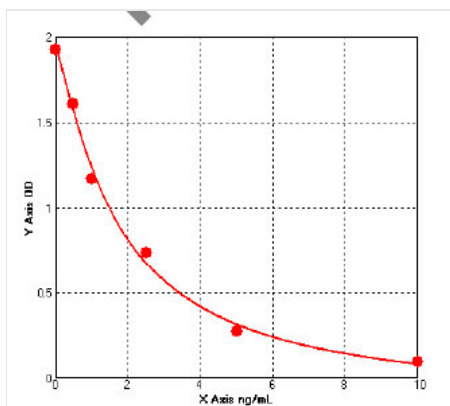
### PRODUCT SYNONYMS

Claudin 3 (CLDN3); Human Claudin 3 (CLDN3) ELISA Kit; CLDN3 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CLDN3. No significant cross-reactivity or interference between CLDN3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CLDN3 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                    |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                  |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CLDN3 elisa kit | <p>Principle of the Assay: CLDN3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CLDN3 antibody and an CLDN3-HRP conjugate. The assay sample and buffer are incubated together with CLDN3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CLDN3 concentration since CLDN3 from samples and CLDN3-HRP conjugate compete for the anti-CLDN3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CLDN3 from the sample, fewer sites are left to bind CLDN3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLDN3 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This CLDN3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CLDN3. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for CLDN3 elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 2459928                                                                                                                                                 |
| NCBI GeneID                      | 1365                                                                                                                                                    |
| Molecular Weight                 | 23,319 Da                                                                                                                                               |
| NCBI Official Full Name          | claudin 3                                                                                                                                               |
| NCBI Official Synonym Full Names | claudin 3                                                                                                                                               |
| NCBI Official Symbol             | CLDN3                                                                                                                                                   |
| NCBI Official Synonym Symbols    | RVP1; HRVP1; C7orf1; CPE-R2; CPETR2                                                                                                                     |
| NCBI Protein Information         | claudin-3; CPE-R 2; CPE-receptor 2; ventral prostate.1-like protein; ventral prostate.1 protein homolog; Clostridium perfringens enterotoxin receptor 2 |
| UniProt Protein Name             | Claudin-3                                                                                                                                               |
| UniProt Gene Name                | CLDN3                                                                                                                                                   |
| UniProt Synonym Gene Names       | C7orf1; CPETR2; CPE-R 2; CPE-receptor 2; hRVP1                                                                                                          |
| UniProt Entry Name               | CLD3_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.