

## Human Prominin 2 (PROM2) ELISA Kit | PROM2 elisa kit

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CATALOG #  
**AAA331304**

REACTIVITY  
**Human**

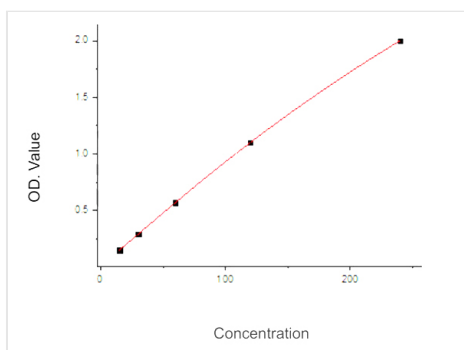
### PRODUCT SYNONYMS

Prominin 2 (PROM2); Human Prominin 2 (PROM2) ELISA Kit; PROM2; MGC138714; PROML2; OTTHUMP00000207357; prominin-like protein 2; prominin-related protein; PROM2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                           |
| Specificity             | Human Prominin 2 (PROM2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PROM2. No significant cross-reactivity or interference between Human PROM2 and analogues was observed. |
| Sequence Length         | 834                                                                                                                                                                                                             |
| Assay Type              | Sandwich                                                                                                                                                                                                        |
| Samples                 | Human serum, cell culture supernates and other biological fluids                                                                                                                                                |
| Detection Range         | 15 pg/ml - 240 pg/ml                                                                                                                                                                                            |
| Sensitivity             | < 1pg/ml                                                                                                                                                                                                        |
| Intra-assay Precision   | Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.                                                                                       |
| Inter-assay Precision   | Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.   |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PROM2 elisa kit | <p>Background: Prominin 2 is a member of the prominin family of pentaspan membrane glycoproteins. The encoded protein localizes to basal epithelial cells and may be involved in the organization of plasma membrane microdomains. Alternative splicing results in multiple transcript variants. Colocalizes with PROM1. Associates with membrane in a cholesterol-dependent manner. Localizes to the apical and basolateral membranes of epithelial cells Present in saliva within small membrane particles (at protein level). Expressed in kidney, prostate, trachea, esophagus, salivary gland, thyroid gland, mammary gland adrenal gland, placenta, stomach, spinal cord and liver. In submucosal tumor, expressed in spindle-shaped or stellate stromal cells. Expressed in prostate cancer cell lines.</p> <p>Principle of the Assay: Human Prominin 2 (PROM2) ELISA Kit employs a two-site sandwich ELISA to quantitate PROM2 in samples. An antibody specific for PROM2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PROM2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PROM2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PROM2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                         |
|----------------------------------|-------------------------|
| NCBI GI #                        | 260764011               |
| NCBI GeneID                      | 150696                  |
| NCBI Accession #                 | NP_653308.2             |
| NCBI GenBank Nucleotide #        | NP_653308.2             |
| UniProt Accession #              | Q8N271                  |
| NCBI Official Full Name          | prominin-2 isoform 1    |
| NCBI Official Synonym Full Names | prominin 2              |
| NCBI Official Symbol             | PROM2                   |
| NCBI Official Synonym Symbols    | PROML2                  |
| NCBI Protein Information         | prominin-2              |
| UniProt Protein Name             | Prominin-2              |
| UniProt Gene Name                | PROM2                   |
| UniProt Synonym Gene Names       | PROML2; PROM-2; hPROML2 |
| UniProt Entry Name               | PROM2_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/prominin-2-prom2/331304>