

## Human Piwi-Like Protein 1 (PIWIL1) ELISA Kit | PIWIL1 elisa kit

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CATALOG #  
**AAA331387**

REACTIVITY  
**Human**

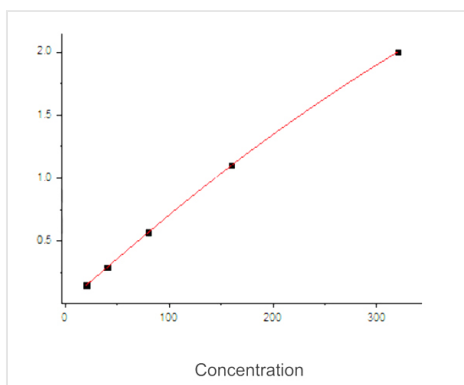
### PRODUCT SYNONYMS

Piwi-Like Protein 1 (PIWIL1); Human Piwi-Like Protein 1 (PIWIL1) ELISA Kit; PIWIL1; HIWI; MIWI; PIWI; piwi homolog; piwi-like 1; PIWIL1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                       |
| Specificity             | Human Piwi-like protein 1 (PIWIL1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PIWIL1. No significant cross-reactivity or interference between Human PIWIL1 and analogues was observed. |
| Sequence Length         | 829                                                                                                                                                                                                                         |
| Assay Type              | Sandwich                                                                                                                                                                                                                    |
| Samples                 | Human serum, cell culture supernates and other biological fluids                                                                                                                                                            |
| Detection Range         | 20 ng/L - 320 ng/L                                                                                                                                                                                                          |
| Sensitivity             | < 1ng/L                                                                                                                                                                                                                     |
| 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 PIWIL1 elisa kit | <p>Background: PIWI-like protein 1 (PIWIL1) is an important member of the Argonaute protein family and is closely related to the malignant behaviors of tumor cells.The PIWI-like protein 1 (PIWIL1) plays an important role in spermatogenesis and transposon control. In mammals, the absence of the PIWIL1 gene can lead to over-expression of retrotransposons, spermatogenetic arrest, and male infertility.</p> <p>Principle of the Assay: Human Piwi-Like Protein 1 (PIWIL1) ELISA Kit employs a two-site sandwich ELISA to quantitate PIWIL1 in samples. An antibody specific for PIWIL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PIWIL1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PIWIL1 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 PIWIL1 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 #                        | 300244501                               |
| NCBI GeneID                      | 9271                                    |
| NCBI Accession #                 | NP_001177900.1                          |
| NCBI GenBank Nucleotide #        | NP_001177900.1                          |
| UniProt Accession #              | Q96J94                                  |
| NCBI Official Full Name          | piwi-like protein 1 isoform 2           |
| NCBI Official Synonym Full Names | piwi like RNA-mediated gene silencing 1 |
| NCBI Official Symbol             | PIWIL1                                  |
| NCBI Official Synonym Symbols    | HIWI; MIWI; PIWI; CT80.1                |
| NCBI Protein Information         | piwi-like protein 1                     |
| UniProt Protein Name             | Piwi-like protein 1                     |
| UniProt Gene Name                | PIWIL1                                  |
| UniProt Synonym Gene Names       | HIWI                                    |
| UniProt Entry Name               | PIWL1_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.