

Human Piwi-like protein 4 ELISA Kit | PIWIL4 elisa kit

Human Piwi-like protein 4 (PIWIL4) ELISA Kit

CATALOG #
AAA55734

REACTIVITY
Human

PRODUCT SYNONYMS

Piwi-like protein 4; Human Piwi-like protein 4 (PIWIL4) ELISA Kit; PIWIL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PIWIL4. No significant cross-reactivity or interference between Human PIWIL4 and analogues was observed.
Sequence Length	852
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.1 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PIWIL4 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PIWIL4 in Human serum, plasma, tissue homogenates. An antibody specific for PIWIL4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PIWIL4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIWIL4 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 PIWIL4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Piwi-like protein 4 (PIWIL4) concentration in serum, plasma, tissue homogenates and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316711
NCBI GeneID	143689
NCBI Accession #	NP_689644.2
NCBI GenBank Nucleotide #	NM_152431.2

UniProt Accession #	Q7Z3Z4; Q68CZ4; Q8N8G9; Q8N9V8; Q8NEH2; B4DEG5
Molecular Weight	52,174 Da
NCBI Official Full Name	piwi-like protein 4
NCBI Official Synonym Full Names	piwi like RNA-mediated gene silencing 4
NCBI Official Symbol	PIWIL4
NCBI Official Synonym Symbols	HIWI2; MIWI2
NCBI Protein Information	piwi-like protein 4
UniProt Protein Name	Piwi-like protein 4
UniProt Gene Name	PIWIL4
UniProt Synonym Gene Names	HIWI2; PIWI

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/piwil4-human-elisa-kits/piwi-like-protein-4/55734>