

Human Piwi-like protein 3 ELISA Kit | PIWIL3 elisa kit

Human Piwi-like protein 3 (PIWIL3) ELISA Kit

CATALOG #
AAA55375

REACTIVITY
Human

PRODUCT SYNONYMS

Piwi-like protein 3; Human Piwi-like protein 3 (PIWIL3) ELISA Kit; PIWIL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PIWIL3. No significant cross-reactivity or interference between Human PIWIL3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.078 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 PIWIL3 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PIWIL3 in Human serum, plasma. An antibody specific for PIWIL3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PIWIL3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIWIL3 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 PIWIL3 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 3 (PIWIL3) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792298
NCBI GeneID	440822
NCBI Accession #	NP_001008496.2
NCBI GenBank Nucleotide #	NM_001008496.3
UniProt Accession #	Q7Z3Z3
Molecular Weight	101,089 Da

NCBI Official Full Name	piwi-like protein 3 isoform 1
NCBI Official Synonym Full Names	piwi like RNA-mediated gene silencing 3
NCBI Official Symbol	PIWIL3
NCBI Official Synonym Symbols	HIWI3
NCBI Protein Information	piwi-like protein 3
UniProt Protein Name	Piwi-like protein 3
UniProt Gene Name	PIWIL3

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/piwil3-human-elisa-kits/piwi-like-protein-3/55375>