

Human Zona Pellucida Glycoprotein 2, Sperm Receptor (ZP2) ELISA Kit | ZP2 elisa kit

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CATALOG #
AAA68759

REACTIVITY
Human

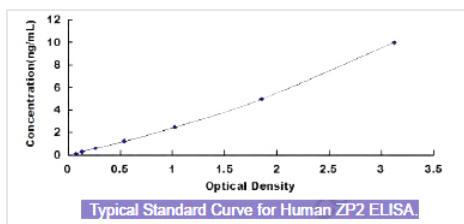
PRODUCT SYNONYMS

Zona Pellucida Glycoprotein 2; Sperm Receptor (ZP2); Human Zona Pellucida Glycoprotein 2; Sperm Receptor (ZP2) ELISA Kit; ZPA; Zona Pellucida Sperm-Binding Protein 1 ; Zona pellucida protein A; ZP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ZP2. No significant cross-reactivity or interference between ZP2 and analogues was observed.
Sequence Length	736
Samples	Tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.058ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ZP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ZP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ZP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ZP2 in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ZP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ZP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ZP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ZP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	588282802
NCBI GeneID	7783
NCBI Accession #	NP_001277033.1
NCBI GenBank Nucleotide #	NM_001290104.1
UniProt Accession #	Q05996; Q4VAN9; Q4VAP0; Q4VAP1; B2R7J2
Molecular Weight	81,300 Da
NCBI Official Full Name	zona pellucida sperm-binding protein 2 isoform 2 preproprotein
NCBI Official Synonym Full Names	zona pellucida glycoprotein 2
NCBI Official Symbol	ZP2
NCBI Official Synonym Symbols	ZPA; Zp-2
NCBI Protein Information	zona pellucida sperm-binding protein 2
UniProt Protein Name	Zona pellucida sperm-binding protein 2
UniProt Gene Name	ZP2
UniProt Synonym Gene Names	ZPA; Zp-2

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/zona-pellucida-glycoprotein-2-sperm-receptor-zp2/68759>