

Rat Zona pellucida sperm-binding protein 3 (ZP3) ELISA Kit | ZP3 elisa kit

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CATALOG #
AAA245651

REACTIVITY
Rat

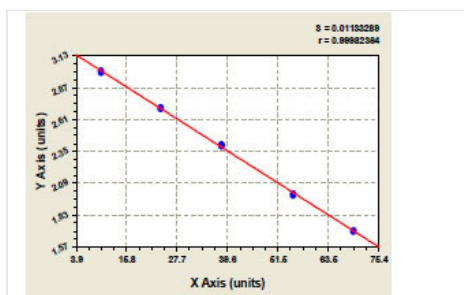
PRODUCT SYNONYMS

Zona pellucida sperm-binding protein 3 (ZP3); Rat Zona pellucida sperm-binding protein 3 (ZP3) ELISA Kit; ZP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for ZP3 elisa kit

Intended Uses: This ZP3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ZP3. This ELISA kit for research use only!

Principle of the Assay||ZP3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ZP3 antibody and an ZP3-HRP conjugate. The assay sample and buffer are incubated together with ZP3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ZP3 concentration since ZP3 from samples and ZP3-HRP conjugate compete for the anti-ZP3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ZP3 from the sample, fewer sites are left to bind ZP3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ZP3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ZP3 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	160358850
NCBI GeneID	7784
NCBI Accession #	NP_001103824.1
NCBI GenBank Nucleotide #	NM_001110354.1
Molecular Weight	41,272 Da
NCBI Official Full Name	zona pellucida sperm-binding protein 3 isoform 1
NCBI Official Synonym Full Names	zona pellucida glycoprotein 3 (sperm receptor)
NCBI Official Symbol	ZP3
NCBI Official Synonym Symbols	ZPC; ZP3A; ZP3B; Zp-3
NCBI Protein Information	zona pellucida sperm-binding protein 3; ZP3A/ZP3B; sperm receptor; zona pellucida protein C; zona pellucida glycoprotein 3B; zona pellucida glycoprotein ZP3; zona pellucida glycoprotein 3A (sperm receptor)
UniProt Protein Name	Zona pellucida sperm-binding protein 3
UniProt Gene Name	ZP3
UniProt Synonym Gene Names	ZP3A; ZP3B; ZPC; Zp-3
UniProt Entry Name	ZP3_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://stage.aaabiotech.com/rat-elisa-kits/zona-pellucida-sperm-binding-protein-3-zp3/245651>