

Rat Zona pellucida sperm-binding protein 3 ELISA Kit | Zp3 elisa kit

Rat Zona pellucida sperm-binding protein 3 ELISA Kit

CATALOG #
AAA191062

REACTIVITY
Rat

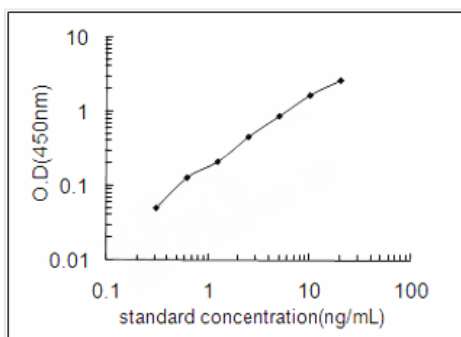
PRODUCT SYNONYMS

Zona pellucida sperm-binding protein 3; Rat Zona pellucida sperm-binding protein 3 ELISA Kit; Zona pellucida glycoprotein 3; Zp-3; Zona pellucida protein C; Zp3; Zpc; Zp3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural ratZona pellucida sperm-binding protein 3. No significant cross-reactivity or interference was observed.
Sequence Length	424
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.156 ng/mL
Intra-Assay CV	<=4.9%
Inter-Assay CV	<=7.6%
Recovery	95%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Zp3 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat Zona pellucida sperm-binding protein 3 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay The microtiter plate provided in this kit has been pre-coated with an antibody specific to Zona pellucida sperm-binding protein 3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Zona pellucida sperm-binding protein 3 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Zona pellucida sperm-binding protein 3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Zona pellucida sperm-binding protein 3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758596
NCBI GeneID	114639
NCBI Accession #	NP_446214.1
NCBI GenBank Nucleotide #	NM_053762.1
UniProt Accession #	P97708; O55084
Molecular Weight	45,901 Da
NCBI Official Full Name	zona pellucida sperm-binding protein 3
NCBI Official Synonym Full Names	zona pellucida glycoprotein 3 (sperm receptor)
NCBI Official Symbol	Zp3
NCBI Official Synonym Symbols	Zp-3
NCBI Protein Information	zona pellucida sperm-binding protein 3
UniProt Protein Name	Zona pellucida sperm-binding protein 3
UniProt Gene Name	Zp3
UniProt Synonym Gene Names	Zp-3; Zpc; Zp-3
UniProt Entry Name	ZP3_RAT

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://stage.aaabiotech.com/zp3-rat-elisa-kits/zona-pellucida-sperm-binding-protein-3/191062>