

Mouse Sperm Adhesion Molecule 1 (SPAM1) ELISA Kit | SPAM1 elisa kit

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CATALOG #
AAA188200

REACTIVITY
Mouse

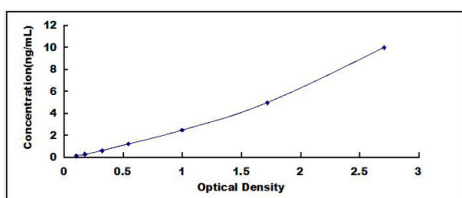
PRODUCT SYNONYMS

Sperm Adhesion Molecule 1 (SPAM1); Mouse Sperm Adhesion Molecule 1 (SPAM1) ELISA Kit; HYAL1; HYA1; HYAL3; HYAL5; PH-20; PH20; SPAG15; PH-20 Hyaluronidase; Zona Pellucida Binding; SPAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Sperm Adhesion Molecule 1 (SPAM1). No significant cross-reactivity or interference between Sperm Adhesion Molecule 1 (SPAM1) and analogues was observed.
Sequence Length	512
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.057ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Sperm Adhesion Molecule 1 (SPAM1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Sperm Adhesion Molecule 1 (SPAM1) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPAM1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Sperm Adhesion Molecule 1 (SPAM1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Sperm Adhesion Molecule 1 (SPAM1). 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 Sperm Adhesion Molecule 1 (SPAM1), 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 Sperm Adhesion Molecule 1 (SPAM1) 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 #	120407035
NCBI GeneID	20690
NCBI Accession #	NP_001073344.1
NCBI GenBank Nucleotide #	NP_001073344.1
UniProt Accession #	P48794
NCBI Official Full Name	hyaluronidase PH-20
NCBI Official Synonym Full Names	sperm adhesion molecule 1
NCBI Official Symbol	Spam1
NCBI Official Synonym Symbols	Ph-20; AV039194
NCBI Protein Information	hyaluronidase PH-20
UniProt Protein Name	Hyaluronidase PH-20
UniProt Gene Name	Spam1
UniProt Synonym Gene Names	Ph20; Spam; Hyal-PH20
UniProt Entry Name	HYALP_MOUSE

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/mouse-elisa-kits/sperm-adhesion-molecule-1-spam1/188200>