

Human Sperm-associated antigen 1 ELISA Kit | SPAG1 elisa kit

Human Sperm-associated antigen 1 ELISA Kit

CATALOG #
AAA98504

REACTIVITY
Human

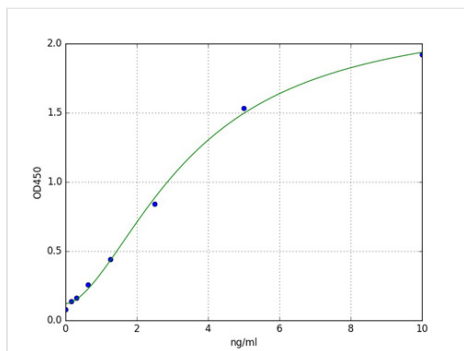
PRODUCT SYNONYMS

Sperm-associated antigen 1; Human Sperm-associated antigen 1 ELISA Kit; SPAG1/HSD-3.8/Infertility-related sperm protein Spag-1; SPAG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	926
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve
Results of a typical standard run of a Human SPAG1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.022	0.125	0.263	0.337	0.657	1.211	1.927	2.042

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPAG1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human SPAG1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human SPAG1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human SPAG1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human SPAG1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

27262638

NCBI GeneID	6674
NCBI Accession #	NP_757367.1
NCBI GenBank Nucleotide #	NM_172218.2
Molecular Weight	48,031 Da
NCBI Official Full Name	sperm-associated antigen 1
NCBI Official Synonym Full Names	sperm associated antigen 1
NCBI Official Symbol	SPAG1
NCBI Official Synonym Symbols	SP75; TPIS; CT140; CILD28; HSD-3.8; HEL-S-268
NCBI Protein Information	sperm-associated antigen 1
UniProt Protein Name	Sperm-associated antigen 1
UniProt Gene Name	SPAG1
UniProt Entry Name	SPAG1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/spag1-human-elisa-kits/sperm-associated-antigen-1/98504>