

Human Synaptonemal Complex Protein 3 (SYCP3) ELISA Kit | SYCP3 elisa kit

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CATALOG #
AAA330624

REACTIVITY
Human

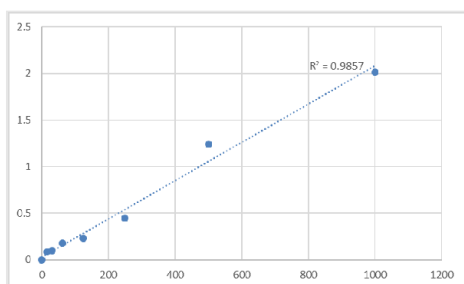
PRODUCT SYNONYMS

Synaptonemal Complex Protein 3 (SYCP3); Human Synaptonemal Complex Protein 3 (SYCP3) ELISA Kit; SYCP3; COR1; MGC71888; SCP3; OTTHUMP00000196389; OTTHUMP00000196390; SYCP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Synaptonemal complex protein 3 (SYCP3) ELISA Kit has high sensitivity and excellent specificity for detection of Human SYCP3. No significant cross-reactivity or interference between Human SYCP3 and analogues was observed.
Sequence Length	236
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Synaptonemal complex protein 3 (SYCP3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYCP3 elisa kit	Description: This Human Synaptonemal complex protein 3 (SYCP3) ELISA Kit employs a two-site sandwich ELISA to quantitate SYCP3 in samples. An antibody specific for SYCP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYCP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYCP3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SYCP3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SYCP3 encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. Three meiosis-specific components of the SC have been characterized in mammals, SC protein-1 (SYCP1), SYCP2, and SYCP3. SYCP3 has a molecular mass of 30 kD and a C-terminal coiled-coil domain that has been shown to promote homotypic interactions in vitro; the SYCP3 gene has been cloned in mouse, rat, and hamster.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74728444
NCBI GeneID	50511
UniProt Accession #	Q8IZU3
NCBI Official Full Name	Synaptonemal complex protein 3
NCBI Official Synonym Full Names	synaptonemal complex protein 3
NCBI Official Symbol	SYCP3
NCBI Official Synonym Symbols	COR1; SCP3; SPGF4; RPRGL4
NCBI Protein Information	synaptonemal complex protein 3
UniProt Protein Name	Synaptonemal complex protein 3
UniProt Gene Name	SYCP3
UniProt Synonym Gene Names	SCP3; SCP-3
UniProt Entry Name	SYCP3_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://www.aaabiotech.com/human-elisa-kits/synaptonemal-complex-protein-3-sycp3/330624>