

Human Semenogelin-1 (SEMG1) ELISA Kit | SEMG1 elisa kit

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CATALOG #
AAA330918

REACTIVITY
Human

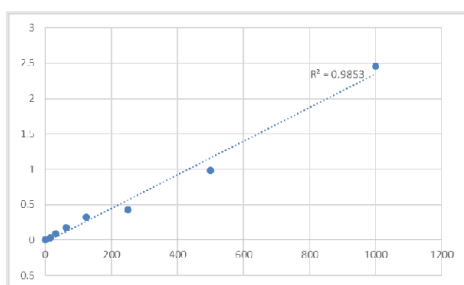
PRODUCT SYNONYMS

Semenogelin-1 (SEMG1); Human Semenogelin-1 (SEMG1) ELISA Kit; SEMG1; CT103; FLJ78262; MGC14719; SEMG; SGI; dJ172H20.2; cancer/testis antigen 103; semen coagulating protein; semenogelin-1; SEMG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Semenogelin-1 (SEMG1) ELISA Kit has high sensitivity and excellent specificity for detection of Human SEMG1. No significant cross-reactivity or interference between Human SEMG1 and analogues was observed.
Sequence Length	462
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 Semenogelin-1 (SEMG1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SEMG1 elisa kit	Description: This Human Semenogelin-1 (SEMG1) ELISA Kit employs a two-site sandwich ELISA to quantitate SEMG1 in samples. An antibody specific for SEMG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SEMG1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEMG1 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 SEMG1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Semenogelin I is the predominant protein in semen. The encoded secreted protein is involved in the formation of a gel matrix that encases ejaculated spermatozoa. The prostate-specific antigen (PSA) protease processes this protein into smaller peptides, with each possibly having a separate function. The proteolysis process breaks down the gel matrix and allows the spermatozoa to move more freely. Two transcript variants encoding different isoforms have been found for this gene. An open reading frame of 1,386 nucleotides encoded a signal peptide and a mature protein of 439 amino acid residues, in which residues 85 to 136 were identical with a previously characterized semenogelin fragment. An abundant seminal vesicular mRNA transcript of 1.8 kb codes for semenogelin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	338019
NCBI GeneID	6406
UniProt Accession #	P04279
NCBI Official Full Name	semenogelin
NCBI Official Synonym Full Names	semenogelin 1
NCBI Official Symbol	SEMG1
NCBI Official Synonym Symbols	SGI; SEMG; CT103; dJ172H20.2
NCBI Protein Information	semenogelin-1
UniProt Protein Name	Semenogelin-1
UniProt Gene Name	SEMG1
UniProt Synonym Gene Names	SEMG; SGI
UniProt Entry Name	SEMG1_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.