

Human Semenogelin-2 (SEMG2) ELISA Kit | SEMG2 elisa kit

Human Semenogelin-2 (SEMG2) ELISA Kit

CATALOG #
AAA330917

REACTIVITY
Human

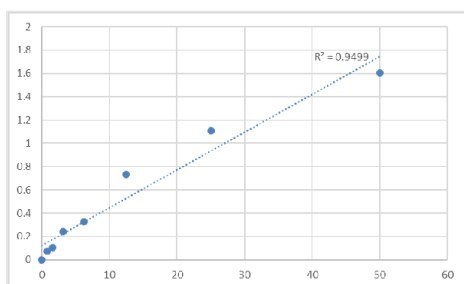
PRODUCT SYNONYMS

Semenogelin-2 (SEMG2); Human Semenogelin-2 (SEMG2) ELISA Kit; SEMG2; SGII; Semenogelin 2; SEMG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Semenogelin-2 (SEMG2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SEMG2. No significant cross-reactivity or interference between Human SEMG2 and analogues was observed.
Sequence Length	582
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-2 (SEMG2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SEMG2 elisa kit	Description: This Human Semenogelin-2 (SEMG2) ELISA Kit employs a two-site sandwich ELISA to quantitate SEMG2 in samples. An antibody specific for SEMG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SEMG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEMG2 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 SEMG2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SEMG2 is involved in the formation of a gel matrix that encases ejaculated spermatozoa. Proteolysis by the prostate-specific antigen (PSA) breaks down the gel matrix and allows the spermatozoa to move more freely. The encoded protein is found in lesser abundance than a similar semenogelin protein. The genes encoding these two semenogelin proteins are found in a cluster on chromosome 20. The transcription units are composed of 3 exons, of which the first encodes the signal peptide, the second encodes secreted protein, and the third contains solely 3-prime, noncoding nucleotides. The nucleotide sequences exhibited a similarity of close to 90% in the exons and greater than 80% in the introns and flanking nucleotides.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506885
NCBI GeneID	6407
NCBI Accession #	NP_002999.1
NCBI GenBank Nucleotide #	NP_002999.1
UniProt Accession #	Q02383
NCBI Official Full Name	semenogelin-2
NCBI Official Synonym Full Names	semenogelin 2
NCBI Official Symbol	SEMG2
NCBI Official Synonym Symbols	SGII
NCBI Protein Information	semenogelin-2
UniProt Protein Name	Semenogelin-2
UniProt Gene Name	SEMG2
UniProt Synonym Gene Names	SGII

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.