

Human Semaphorin-3E (SEMA3E) ELISA Kit | SEMA3E elisa kit

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CATALOG #
AAA330923

REACTIVITY
Human

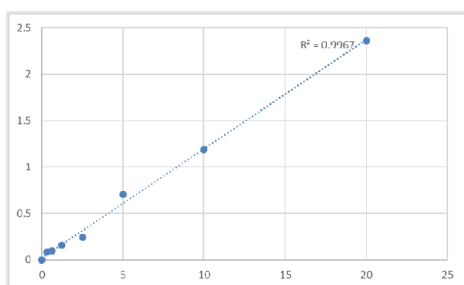
PRODUCT SYNONYMS

Semaphorin-3E (SEMA3E); Human Semaphorin-3E (SEMA3E) ELISA Kit; SEMA3E; KIAA0331; M-SEMAH; M-SemaK; SEMAH; coll-5; semaphorin 3E; SEMA3E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Semaphorin-3E (SEMA3E) ELISA Kit has high sensitivity and excellent specificity for detection of Human SEMA3E. No significant cross-reactivity or interference between Human SEMA3E and analogues was observed.
Sequence Length	715
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 Semaphorin-3E (SEMA3E) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SEMA3E elisa kit	Description: This Human Semaphorin-3E (SEMA3E) ELISA Kit employs a two-site sandwich ELISA to quantitate SEMA3E in samples. An antibody specific for SEMA3E has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SEMA3E present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEMA3E 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 SEMA3E bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SEMA3E encodes a class 4 semaphorin. This gene encodes a class 3 semaphorin. Multiple transcript variants encoding different isoforms have been found for this gene.The deduced 775-amino acid protein has a calculated molecular mass of about 95 kD. SEMA3E shares 87.4% identity with mouse Sema3e. RT-PCR detected highest expression in brain and prostate, followed by small intestine, thymus, and lung. Little to no expression was detected in other tissues examined.Sema3e is highly expressed in developing somites, where it acts as a repulsive cue for plexin-D1-expressing endothelial cells of adjacent intersomitic vessels. Sema3e-plexin-D1 signaling did not require neuropilins, which had been presumed to be obligate Sema3 coreceptors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296011008
NCBI GeneID	9723
NCBI Accession #	NP_001171600.1
NCBI GenBank Nucleotide #	NP_001171600.1
UniProt Accession #	O15041
NCBI Official Full Name	semaphorin-3E isoform 2
NCBI Official Synonym Full Names	semaphorin 3E
NCBI Official Symbol	SEMA3E
NCBI Official Synonym Symbols	SEMAH; coll-5; M-SEMAH; M-SemaK
NCBI Protein Information	semaphorin-3E
UniProt Protein Name	Semaphorin-3E
UniProt Gene Name	SEMA3E
UniProt Synonym Gene Names	KIAA0331; SEMAH

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.