

Human Semaphorin 3A (SEMA3A) ELISA Kit | SEMA3A elisa kit

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CATALOG #
AAA330925

REACTIVITY
Human

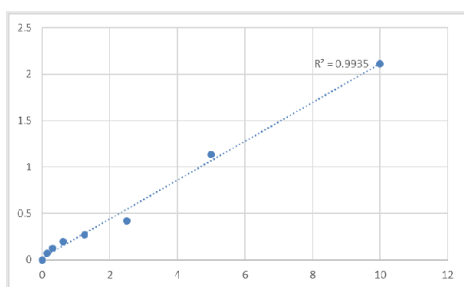
PRODUCT SYNONYMS

Semaphorin 3A (SEMA3A); Human Semaphorin 3A (SEMA3A) ELISA Kit; SEMA3A; Hsema-I; Hsema-III; MGC133243; SEMA1; SEMAD; SEMAIII; SEMAL; SemD; coll-1; OTTHUMP00000208884; collapsin 1; semaphorin 3A; semaphorin D; semaphorinI; semaphorin L; semaphorin-like; SEMA3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Semaphorin 3A (SEMA3A) ELISA Kit has high sensitivity and excellent specificity for detection of Human SEMA3A. No significant cross-reactivity or interference between Human SEMA3A and analogues was observed.
Sequence Length	771
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 3A (SEMA3A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SEMA3A elisa kit	Description: This Human Semaphorin 3A (SEMA3A) ELISA Kit employs a two-site sandwich ELISA to quantitate SEMA3A in samples. An antibody specific for SEMA3A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SEMA3A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEMA3A 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 SEMA3A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SEMA3A is a member of the semaphorin family and encodes a protein with an Ig-like C2-type (immunoglobulin-like) domain, a PSI domain and a Sema domain. This secreted protein can function as either a chemorepulsive agent, inhibiting axonal outgrowth, or as a chemoattractive agent, stimulating the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern development. Increased expression of this protein is associated with schizophrenia and is seen in a variety of human tumor cell lines. Also, aberrant release of this protein is associated with the progression of Alzheimer's disease. The first of the CRMP proteins, CRMP2, was identified as an intracellular messenger required for the growth cone-collapse induced by semaphorin 3A.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174673
NCBI GeneID	10371
NCBI Accession #	NP_006071.1
NCBI GenBank Nucleotide #	NP_006071.1
UniProt Accession #	Q14563
NCBI Official Full Name	semaphorin-3A
NCBI Official Synonym Full Names	semaphorin 3A
NCBI Official Symbol	SEMA3A
NCBI Official Synonym Symbols	HH16; SemD; COLL1; SEMA1; SEMAD; SEMAL; coll-1; Hsema-I; SEMAIII; Hsema-III
NCBI Protein Information	semaphorin-3A
UniProt Protein Name	Semaphorin-3A
UniProt Gene Name	SEMA3A
UniProt Synonym Gene Names	SEMAD; Sema III

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.