

Human Semaphorin-3B (SEMA3B) ELISA Kit | SEMA3B elisa kit

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CATALOG #
AAA330924

REACTIVITY
Human

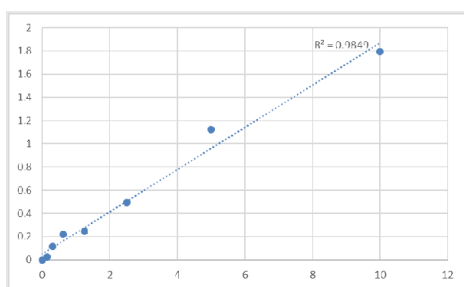
PRODUCT SYNONYMS

Semaphorin-3B (SEMA3B); Human Semaphorin-3B (SEMA3B) ELISA Kit; SEMA3B; FLJ34863; LUCA-1; SEMA5; SEMAA; SemA; semaV; semaphorin 3B; semaphorin A; semaphorin V; SEMA3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Semaphorin-3B (SEMA3B) ELISA Kit has high sensitivity and excellent specificity for detection of Human SEMA3B. No significant cross-reactivity or interference between Human SEMA3B and analogues was observed.
Sequence Length	749
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-3B (SEMA3B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SEMA3B elisa kit	Description: This Human Semaphorin-3B (SEMA3B) ELISA Kit employs a two-site sandwich ELISA to quantitate SEMA3B in samples. An antibody specific for SEMA3B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SEMA3B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEMA3B 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 SEMA3B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The semaphorin/collapsin family of molecules plays a critical role in the guidance of growth cones during neuronal development. The secreted protein encoded by this gene family member is important in axonal guidance and has been shown to act as a tumor suppressor by inducing apoptosis. The 2 genes have widespread but distinct patterns of expression in nonneural tissues, and have different patterns of expression in lung cancer. Human semaphorin A(V) has 86% amino acid homology with murine semaphorin A, whereas semaphorin IV is more closely related to murine semaphorin E, with 50% homology. In particular, overlapping homozygous deletions in lung cancers have been identified in region 3p21.3; more than 90% of small cell lung cancers exhibit LOH at this site.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	586798180
NCBI GeneID	7869
NCBI Accession #	NP_001276989.1
NCBI GenBank Nucleotide #	NP_001276989.1
UniProt Accession #	Q13214
NCBI Official Full Name	semaphorin-3B isoform 1
NCBI Official Synonym Full Names	semaphorin 3B
NCBI Official Symbol	SEMA3B
NCBI Official Synonym Symbols	SemA; SEMA5; SEMAA; semaV; LUCA-1
NCBI Protein Information	semaphorin-3B
UniProt Protein Name	Semaphorin-3B
UniProt Gene Name	SEMA3B
UniProt Synonym Gene Names	SEMA5; SEMAA; Sema V

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.