

Human Semaphorin-3B ELISA Kit | SEMA3B elisa kit

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CATALOG #
AAA98650

REACTIVITY
Human

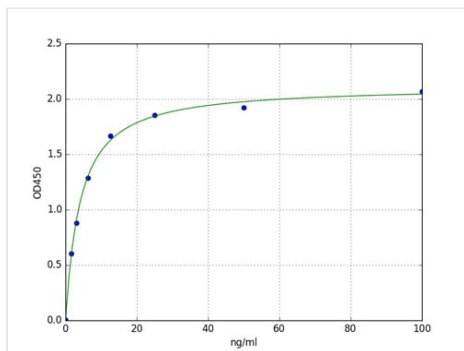
PRODUCT SYNONYMS

Semaphorin-3B; Human Semaphorin-3B ELISA Kit; SEMA3B/LUCA-1/SEMA3B/SEMA5/SEMAA/SEMAV/semaphorin 3B/LUCA-1/Sema/Sema A (V)/sema domain; immunoglobulin domain (Ig); short basic domain; secreted/Sema V/sema5/SEMA5/SEMAA/semaphorin A/semaphorin V/semaphorin-3B/Semaphorin-V/semaphorin-V/semaV/Sema A (V)/Semaphorin-V (Sema V); SEMA3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	749
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human SEMA3B ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.486	1.079	1.305	1.622	2.437	2.268	2.540

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA3B elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human SEMA3B antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human SEMA3B antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human SEMA3B amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human SEMA3B can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	586798180
NCBI GeneID	7869
NCBI Accession #	NP_001276989.1
NCBI GenBank Nucleotide #	NM_001290060.1
Molecular Weight	83,035 Da
NCBI Official Full Name	semaphorin-3B isoform 1
NCBI Official Synonym Full Names	semaphorin 3B
NCBI Official Symbol	SEMA3B
NCBI Official Synonym Symbols	SemaA; 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
UniProt Entry Name	SEM3B_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.

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Online datasheet: <https://stage.aaabiotech.com/sema3b-human-elisa-kits/semaphorin-3b/98650>