

Human Semaphorin-4D ELISA Kit | SEMA4D elisa kit

Human Semaphorin-4D ELISA Kit

CATALOG #
AAA100504

REACTIVITY
Human

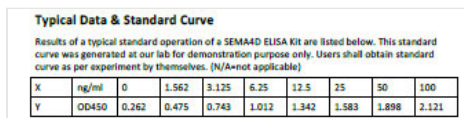
PRODUCT SYNONYMS

Semaphorin-4D; Human Semaphorin-4D ELISA Kit; SEMA4D/GR3/A8/BB18/CD100/COLL-4/M-sema-G/SEMA4D/SEMAJ/A8/CD100 antigen/CD100M-sema-G/coll-4/immunoglobulin domain (Ig); transmembrane domain (TM) and shortcytoplasmic domain; 4D/sema domain; immunoglobulin domain (Ig); (semaphorin) 4D/semaphorin-4D; SEMA4D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SEMA4D. No significant cross-reactivity or interference between SEMA4D and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between SEMA4D and all the analogues, therefore, cross reaction may still exist.
Sequence Length	862
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	125-8000pg/ml
Sensitivity	75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SEMA4D were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SEMA4D were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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)

ADDITIONAL INFORMATION

Related Product Information for SEMA4D elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-SEMA4D antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- SEMA4D antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin 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 SEMA4D amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of SEMA4D can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	214010218
NCBI GeneID	10507
NCBI Accession #	NP_006369.3
NCBI GenBank Nucleotide #	NM_006378.3
Molecular Weight	82,164 Da
NCBI Official Full Name	semaphorin-4D isoform 1
NCBI Official Synonym Full Names	semaphorin 4D
NCBI Official Symbol	SEMA4D
NCBI Official Synonym Symbols	CD100; SEMAJ; coll-4; C9orf164; M-sema-G
NCBI Protein Information	semaphorin-4D
UniProt Protein Name	Semaphorin-4D
UniProt Gene Name	SEMA4D
UniProt Synonym Gene Names	C9orf164; CD100; SEMAJ
UniProt Entry Name	SEM4D_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sema4d-human-elisa-kits/semaphorin-4d/100504>