

Human Semaphorin 4D (SEMA4D) ELISA Kit | SEMA4D elisa kit

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CATALOG #
AAA184691

REACTIVITY
Human

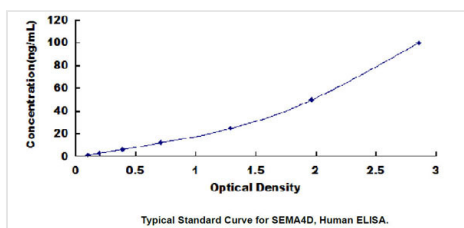
PRODUCT SYNONYMS

Semaphorin 4D (SEMA4D); Human Semaphorin 4D (SEMA4D) ELISA Kit; CD100; A8; BB18; GR3; M-Sema G; M-Sema-G; SEMAJ; Coll-4; Sema Domain; Immunoglobulin Domain(Ig); Transmembrane Domain(TM)and Short Cytoplasmic Domain 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.
Sequence Length	862
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.61ng/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<10%
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<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA4D elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SEMA4D. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SEMA4D. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SEMA4D, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of SEMA4D in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	214010218
NCBI GeneID	10507
NCBI Accession #	NP_006369.3
NCBI GenBank Nucleotide #	NM_006378.3
UniProt Accession #	Q92854; Q7Z5S4; Q8N8B0; B2RPM6
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; COLL4; 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

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.