

Human Semaphorin 3F (SEMA3F) ELISA Kit | SEMA3F elisa kit

Human Semaphorin 3F (SEMA3F) ELISA Kit

CATALOG #
AAA20609

REACTIVITY
Human

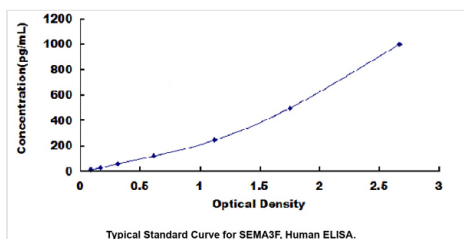
PRODUCT SYNONYMS

Semaphorin 3F (SEMA3F); Human Semaphorin 3F (SEMA3F) ELISA Kit; SEMA-IV; SEMA4; SEMAK; Sema Domain; Immunoglobulin Domain(Ig); Transmembrane Domain(TM)and Short Cytoplasmic Domain 3F; SEMA3F elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SEMA3F. No significant cross-reactivity or interference between SEMA3F and analogues was observed.
Sequence Length	754
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SEMA3F 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 SEMA3F 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 SEMA3F elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SEMA3F. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SEMA3F. 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 SEMA3F, 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 SEMA3F in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SEMA3F in human serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for SEMA3F elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	188497703
NCBI GeneID	6405
NCBI Accession #	NP_004177.3
NCBI GenBank Nucleotide #	NM_004186.3
UniProt Accession #	Q13275; Q13274; Q13372; Q15704; Q6GTR4; C9JQ85
Molecular Weight	85,064 Da
NCBI Official Full Name	semaphorin-3F
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F
NCBI Official Symbol	SEMA3F
NCBI Official Synonym Symbols	SEMA4; SEMAK; SEMA-IV
NCBI Protein Information	semaphorin-3F
UniProt Protein Name	Semaphorin-3F
UniProt Gene Name	SEMA3F
UniProt Synonym Gene Names	Sema IV
UniProt Entry Name	SEM3F_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.