

Human Semaphorin 3E (SEMA3E) ELISA Kit | SEMA3E elisa kit

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CATALOG #
AAA63273

REACTIVITY
Human

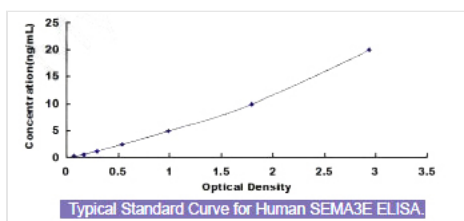
PRODUCT SYNONYMS

Semaphorin 3E (SEMA3E); Human Semaphorin 3E (SEMA3E) ELISA Kit; HLF2; LF; GIG12; Lactotransferrin; SEMA3E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SEMA3E. No significant cross-reactivity or interference between SEMA3E and analogues was observed.
Sequence Length	715
Samples	Serum, plasma, tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.116ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SEMA3E 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 SEMA3E were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SEMA3E elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SEMA3E in human serum, plasma, tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SEMA3E. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SEMA3E. 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 SEMA3E, 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 SEMA3E 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 #	296011008
NCBI GeneID	9723
NCBI Accession #	NP_001171600.1
NCBI GenBank Nucleotide #	NM_001178129.1
UniProt Accession #	O15041; Q75M94; Q75M97; B4E1P1
Molecular Weight	82,424 Da
NCBI Official Full Name	semaphorin-3E isoform 2
NCBI Official Synonym Full Names	semaphorin 3E
NCBI Official Symbol	SEMA3E
NCBI Official Synonym Symbols	SEMAH; coll-5; M-SEMAH; M-SemaK
NCBI Protein Information	semaphorin-3E
UniProt Protein Name	Semaphorin-3E
UniProt Gene Name	SEMA3E
UniProt Synonym Gene Names	KIAA0331; SEMAH

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.