

Human Semaphorin-3C (SEMA3C) ELISA Kit

Catalog No: #EK11377



Package Size: #EK11377-1 48T #EK11377-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Semaphorin-3C (SEMA3C) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	SEMAE; SemE; OTTHUMP00000207932 semaphorin 3C semaphorin E
Accession No.	Q99985
Uniprot	Q99985
GeneID	10512;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:6.8 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SEMA3C in samples. An antibody specific for SEMA3C has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySEMA3C present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SEMA3C is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SEMA3C bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The 616-amino acid human semaphorin E contains an N-terminal signal sequence of 15 amino acids that is followed by a semaphorin domain. In vitro translation of the semaphorin E cDNA yielded a 70-kD protein. The authors showed that semaphorin E is secreted by mammalian cells. By Northern blot analysis, semaphorin E was expressed as a 5.2-kb transcript in all human tissues tested.

CDDP-sensitive cells transfected with semaphorin E cDNA acquired CDDP-resistance. Semaphorin E was overexpressed in CDDP-resistant cell lines and was induced by diverse chemotherapeutic drugs and by x-ray and UV irradiation. Aberrant semaphorin E protein expression was detected immunohistochemically

Note: This product is for in vitro research use only