Human Secreted and transmembrane protein 1 (SECTM1) ELISA Kit

Catalog No: #EK7411

Package Size: #EK7411-1 48T #EK7411-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Secreted and transmembrane protein 1 (SECTM1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	K12; K12 protein|type 1a transmembrane protein
Accession No.	Q8WVN6
Uniprot	Q8WVN6
GeneID	6398;
Storage	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. 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).

Application Details

Detect Range:0.781-50 ng/mL

Sensitivity:0.27 ng/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 SECTM1 in samples. An antibody specific for SECTM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySECTM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SECTM1 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 SECTM1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:SECTM1 encodes a transmembrane and secreted protein with characteristics of a type 1a transmembrane protein. It is found in a perinuclear Golgi-like pattern and thought to be involved in hematopoietic and/or immune system processes.

The predicted 248-amino acid K12 protein has the hydropathic characteristics of a type 1a transmembrane protein, which is defined by an extracellular N terminus and a cleaved signal peptide. The authors demonstrated that the K12 protein behaves biochemically as an integral membrane protein. Using immunofluorescence, they localized K12 to the Golgi. Western blotting showed that the K12 protein migrates as a cluster of bands at 27 kD. In addition, an approximately 20-kD soluble form of K12 is secreted by cells.

Note: This product is for in vitro research use only