Human Transmembrane 4 L6 family member 5 (TM4SF5) ELISA Kit

Catalog No: #EK6472

Package Size: #EK6472-1 48T #EK6472-2 96T

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

Description

Product Name	Human Transmembrane 4 L6 family member 5 (TM4SF5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	Tetraspan transmembrane protein L6H|transmembrane 4 superfamily member 5
Accession No.	O14894
Uniprot	O14894
GeneID	9032;
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:Request Information

Sensitivity:Request Information

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 TM4SF5 in samples. An antibody specific for TM4SF5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTM4SF5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TM4SF5 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 TM4SF5 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Like other TM4SF proteins, TM4SF5 is cysteine-rich. TM4SF5 shares 50% amino acid identity with the tumor-associated antigen L6 (TM4SF1). Northern blot analysis of various normal human tissues, namely intestine, pancreas, stomach, colon, esophagus, bladder, uterus, placenta, and adipose tissue, detected TM4SF5 expression only in intestine and 1 of 14 pancreas samples. TM4SF5 was overexpressed in 13 of 14 pancreatic adenocarcinomas, as compared with both normal pancreatic and chronic pancreatitis tissues. TM4SF5 expression was also found in 2 of 2 gastric cancers, 1 of 2 colon carcinomas, 1 of 1 carcinoma of the papilla vateri, and 1 of 1 soft-tissue sarcoma. TM4SF5 was expressed as an approximately 1-kb transcript in the pancreatic tumors.

Note: This product is for in vitro research use only