

Human Transmembrane 4 L6 family member 1 (TM4SF1) ELISA Kit

Catalog No: #EK6483

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Package Size: #EK6483-1 48T #EK6483-2 96T

Description

Product Name	Human Transmembrane 4 L6 family member 1 (TM4SF1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	H-L6; L6; M3S1; TAAL6; membrane component; chromosome 3; surface marker 1 transmembrane 4 superfamily member 1 tumor-associated antigen L6
Accession No.	P30408
Uniprot	P30408
GeneID	4071;
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: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 TM4SF1 in samples. An antibody specific for TM4SF1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTM4SF1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TM4SF1 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 TM4SF1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TM4SF1 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface antigen and is highly expressed in different carcinomas.

The predicted peptide sequence was 202 amino acids long and contained 3 predicted NH2-terminal hydrophobic transmembrane regions which were followed by a hydrophilic region containing 2 potential N-linked glycosylation sites and a COOH-terminal hydrophobic transmembrane region.

Note: This product is for in vitro research use only