

# Mouse Delta (14)-sterol reductase (TM7SF2) ELISA Kit



Catalog No: #EK6464

Orders: order@signalwayantibody.com

Package Size: #EK6464-1 48T #EK6464-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse Delta (14)-sterol reductase (TM7SF2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	ANG1; DHCR14A; NET47;
Accession No.	Q71KT5
Uniprot	Q71KT5
GeneID	73166;
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 TM7SF2 in samples. An antibody specific for TM7SF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTM7SF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TM7SF2 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 TM7SF2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TM9SF2 contains a putative signal sequence, a hydrophilic N-terminal region, and 9 predicted C-terminal transmembrane domains. TM9SF2 shares 35% amino acid sequence identity with the *S. cerevisiae* Emp70 protein. By indirect immunofluorescence microscopy, recombinant TM9SF2 appeared to be localized to endosomes by virtue of its apparent colocalization with transferrin receptors and some mannose 6-phosphate receptors; TM9SF2 was not detected in the plasma membrane or in the Golgi apparatus. Northern blot analysis detected an approximately 3.2-kb TM9SF2 transcript in all human tissues tested, with the highest expression in pancreas, high expression in kidney, lower expression in heart, brain, skeletal muscle, and placenta, and the lowest expression in lung and liver.

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Note: This product is for in vitro research use only