

Mouse Tropomodulin-3 (TMOD3) ELISA Kit

Catalog No: #EK11359



Package Size: #EK11359-1 48T #EK11359-2 96T

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Description

Product Name	Mouse Tropomodulin-3 (TMOD3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	UTMOD;
Accession No.	Q9JHJ0
Uniprot	Q9JHJ0
GeneID	50875;
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:0.312-20 ng/mL

Sensitivity:0.108 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 TMOD3 in samples. An antibody specific for TMOD3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMOD3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMOD3 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 TMOD3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**By RNA dot blot analysis, Conley et al. (2001) confirmed expression of TMOD3, which they designated UTMOD, in all adult and fetal tissues examined. Expression was relatively uniform in all tissues tested, showing less than a 4-fold difference between the highest and lowest levels.

Using EST database searches, sequencing, and RT-PCR, Cox and Zoghbi (2000) cloned human and mouse cDNAs corresponding to the TMOD3 gene. Human TMOD3 encodes a deduced 352-amino acid protein. Northern blot analysis on human tissues detected ubiquitous expression of 7 TMOD3 transcripts ranging in size from approximately 1 to 9.5 kb. In the mouse, Tmod3 expression was present as early as embryonic day 7 and continued throughout development.

Note: This product is for in vitro research use only