

Mouse Tubulointerstitial nephritis antigen-like (TINAGL1) ELISA Kit

Catalog No: #EK6532

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Package Size: #EK6532-1 48T #EK6532-2 96T

Description

Product Name	Mouse Tubulointerstitial nephritis antigen-like (TINAGL1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ARG1; LCN7; LIECG3; TINAGRP; P3ECSL TINAG-like 1 androgen-regulated gene 1 glucocorticoid-inducible protein lipocalin 7 oxidized-LDL responsive gene 2 tubulointerstitial nephritis antigen-related pr
Accession No.	Q99JR5
Uniprot	Q99JR5
GeneID	94242;
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 TINAGL1 in samples. An antibody specific for TINAGL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTINAGL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TINAGL1 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 TINAGL1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Tubulointerstitial nephritis antigen-like 1 has been cloned from mouse adrenocortical cells and is known to be closely associated with zonal differentiation of adrenocortical cells. In cell culture systems, TINAGL1 is a matricellular protein that interacts with both structural matrix proteins and cell surface receptors. However, the physiological roles of TINAGL1 and regulation of its expression are still not clearly understood.

In the present study, the expression and localization of TINAGL1 in peri-implantation mouse embryos was examined. During preimplantation, the expression of both Tinagl1 mRNA and TINAGL1 protein was increased just prior to implantation. In blastocysts, TINAGL1 expression was localized to the trophectoderm.

Note: This product is for in vitro research use only