

Mouse Sestrin-3 (SESN3) ELISA Kit

Catalog No: #EK7362



Package Size: #EK7362-1 48T #EK7362-2 96T

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Description

Product Name	Mouse Sestrin-3 (SESN3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	MGC29667; SEST3;
Accession No.	Q9CYP7
Uniprot	Q9CYP7
GeneID	75747;
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:0.156-10 ng/mL

Sensitivity:0.055 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 SESN3 in samples. An antibody specific for SESN3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySESN3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SESN3 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 SESN3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**By database mining, Peeters et al. (2003) identified a gene family related to p53-activated gene-26 (PA26), which they termed the sestrin family. Sequence alignment of human and mouse sestrin protein family members showed that the gene family is highly conserved. The SEST3 gene encodes a deduced 492-amino acid protein.

Using FISH, Peeters et al. (2003) confirmed the localization of the human sestrin genes PA26, SEST2 , and SEST3 to chromosomes 6q21, 1p35.3, and 11q21, respectively. Using the same method, they mapped the mouse Pa26, Sest2, and Sest3 genes to syntenic regions on chromosomes 4, 9, and 10, respectively.

Note: This product is for in vitro research use only