

Mouse Sestrin-1 (SESN1) ELISA Kit

Catalog No: #EK7364



Package Size: #EK7364-1 48T #EK7364-2 96T

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Description

Product Name	Mouse Sestrin-1 (SESN1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	MGC138241; MGC142129; PA26; RP11-787I22.1; SEST1; p53 regulated PA26 nuclear protein
Accession No.	P58006
Uniprot	P58006
GeneID	140742;
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:0.058 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 SESN1 in samples. An antibody specific for SESN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySESN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SESN1 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 SESN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Only the smaller transcript was transiently induced by p53 or by genotoxic agents in a p53-dependent manner in a colon carcinoma cell line. The deduced proteins, which are 99% identical to the mouse proteins, contain 551, 491, and 426 amino acids, respectively. RT-PCR analysis detected induction of T2 in response to p53 or genotoxic stress; however, T1 was not induced and T3 was only weakly induced. Western blot analysis showed induction of a predominant 55-kD T2 nuclear protein rather than the 68-kD T1 protein or the 48-kD T3 protein. Sequence analysis predicted, and EMSA and reporter analysis confirmed, that PA26 has a p53-binding site within intron 2. Serum starvation experiments suggested that PA26 may be a member of the growth arrest- and DNA damage-inducible, or GADD, gene family.

Note: This product is for in vitro research use only