

Mouse Lupus La protein (SSB) ELISA Kit

Catalog No: #EK6662



Package Size: #EK6662-1 48T #EK6662-2 96T

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Description

Product Name	Mouse Lupus La protein (SSB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	LARP3; La; La ribonucleoprotein domain family; member 3 OTTHUMP00000204778 SS-B/La protein autoantigen La
Accession No.	P32067
Uniprot	P32067
GeneID	20823;
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:0.057 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 SSB in samples. An antibody specific for SSB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySSB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SSB 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 SSB bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Sjogren syndrome antigen B (autoantigen La), also known as SSB,La is involved in diverse aspects of RNA metabolism, including binding and protecting 3-prime UUU(OH) elements of newly RNA polymerase III-transcribed RNA, processing 5-prime and 3-prime ends of pre-tRNA precursors, acting as an RNA chaperone, and binding viral RNAs associated with hepatitis C virus. La protein was originally defined by its reactivity with autoantibodies from patients with Sjogren syndrome and systemic lupus erythematosus (SLE) (Teplova et al., 2006).Grolz and Bachmann (1997) stated that there are 3 La pseudogenes. They also found that alternative splicing gives rise to 3 different mRNAs, all of which were expressed in all tissues tested, and all of which were translated into nuclear La protein in transfected mouse cells.

Note: This product is for in vitro research use only