

Mouse U6 snRNA-associated Sm-like protein LSM5 (LSM5) ELISA Kit



Catalog No: #EK11518

Orders: order@signalwayantibody.com

Package Size: #EK11518-1 48T #EK11518-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse U6 snRNA-associated Sm-like protein LSM5 (LSM5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	FLJ12710; YER146W; LSM5 homolog; U6 small nuclear RNA associated OTTHUMP00000202663 OTTHUMP00000202664 OTTHUMP00000202667 U6 snRNA-associated Sm-like protein
Accession No.	P62322
Uniprot	P62322
GeneID	66373;
Storage	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. 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).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.053 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 LSM5 in samples. An antibody specific for LSM5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLSM5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LSM5 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 LSM5 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Sm-like proteins were identified in a variety of organisms based on sequence homology with the Sm protein family . Sm-like proteins contain the Sm sequence motif, which consists of 2 regions separated by a linker of variable length that folds as a loop. The Sm-like proteins are thought to form a stable heteromer present in tri-snRNP particles, which are important for pre-mRNA splicing.Disruption of genes encoding Sm-like proteins directly associated with the U6 snRNA (Lsm2-8) generated variable phenotypes. Lsm2, Lsm3, Lsm4, and Lsm8 are essential for vegetative growth. Lsm5, Lsm6, and Lsm7 are not essential for growth; however, their disruptions lead to slow

growth especially at elevated temperature. The levels of the U6 snRNA were strongly reduced in the strains harboring the Lsm5, Lsm6, and Lsm7 disruptions.

Note: This product is for in vitro research use only