

Human Small nuclear ribonucleoprotein ELISA Kit | SnRNP elisa kit

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CATALOG #
AAA86595

REACTIVITY
Human

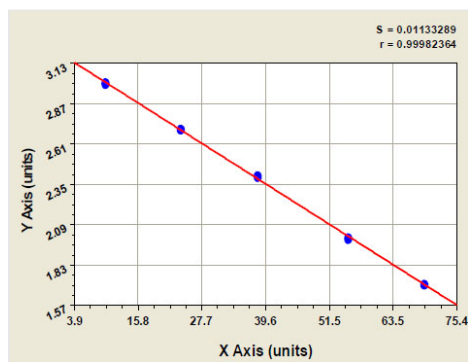
PRODUCT SYNONYMS

Small nuclear ribonucleoprotein; Human Small nuclear ribonucleoprotein ELISA Kit; SnRNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SnRNP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SnRNP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SnRNP elisa kit

Principle of the assay: SnRNP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SnRNP antibody and an SnRNP-HRP conjugate. The assay sample and buffer are incubated together with SnRNP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SnRNP concentration since SnRNP from samples and SnRNP-HRP conjugate compete for the anti-SnRNP antibody binding site. Since the number of sites is limited, as more sites are occupied by SnRNP from the sample, fewer sites are left to bind SnRNP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SnRNP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4529895
NCBI GeneID	57819
Molecular Weight	10,835 Da
NCBI Official Full Name	snRNP
NCBI Official Synonym Full Names	LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae)
NCBI Official Symbol	LSM2
NCBI Official Synonym Symbols	G7B; snRNP; C6orf28; YBL026W
NCBI Protein Information	U6 snRNA-associated Sm-like protein LSm2; protein G7b; snRNP core Sm-like protein Sm-x5; small nuclear ribonuclear protein D homolog
UniProt Protein Name	U6 snRNA-associated Sm-like protein LSm2
UniProt Gene Name	LSM2
UniProt Synonym Gene Names	C6orf28; G7B
UniProt Entry Name	LSM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/snnp-human-elisa-kits/small-nuclear-ribonucleoprotein/86595>