

Mouse Signal Recognition Particle 14 kDa Protein (SRP14) ELISA Kit | SRP14 elisa kit

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CATALOG #
AAA332270

REACTIVITY
Mouse

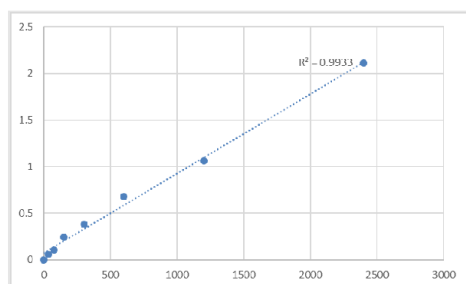
PRODUCT SYNONYMS

Signal Recognition Particle 14 kDa Protein (SRP14); Mouse Signal Recognition Particle 14 kDa Protein (SRP14) ELISA Kit; SRP14; ALURBP; MGC14326; SRP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Signal recognition particle 14 kDa protein (SRP14) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SRP14. No significant cross-reactivity or interference between Mouse SRP14 and analogues was observed.
Sequence Length	110
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Signal recognition particle 14 kDa protein (SRP14) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SRP14 elisa kit	Description: This Mouse Signal recognition particle 14 kDa protein (SRP14) ELISA Kit employs a two-site sandwich ELISA to quantitate SRP14 in samples. An antibody specific for SRP14 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRP14 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SRP14 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 SRP14 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The signal recognition particle (SRP) is a ribonucleoprotein complex that mediates the targeting of proteins to the endoplasmic reticulum (ER). The proteins are bound to the 7S RNA as monomers (SRP19 and SRP54) or heterodimers (SRP9/SRP14 and SRP68/SRP72). SRP9 and SRP14 constitute the Alu domain of 7S, whereas the other 4 proteins belong to the S domain. SRP has at least 3 distinct functions that can be associated with the protein subunits: signal recognition, translational arrest, and ER membrane targeting by interaction with the docking protein. The predicted amino acid sequence was found to be approximately 90% similar to the mouse homolog. The human sequence is longer at the C terminus and the predicted protein is 18 kD rather than 14 kD.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678133
NCBI GeneID	20813
NCBI Accession #	NP_033299.1
NCBI GenBank Nucleotide #	NP_033299.1
UniProt Accession #	P16254
NCBI Official Full Name	signal recognition particle 14 kDa protein
NCBI Official Synonym Full Names	signal recognition particle 14
NCBI Official Symbol	Srp14
NCBI Official Synonym Symbols	14kDa; AW536328
NCBI Protein Information	signal recognition particle 14 kDa protein
UniProt Protein Name	Signal recognition particle 14 kDa protein
UniProt Gene Name	Srp14
UniProt Synonym Gene Names	SRP14
UniProt Entry Name	SRP14_MOUSE

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/mouse-elisa-kits/signal-recognition-particle-14-kda-protein-srp14/332270>