

Mouse Signal Recognition Particle 54 kDa Protein (SRP54) ELISA Kit | SRP54 elisa kit

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CATALOG #
AAA332272

REACTIVITY
Mouse

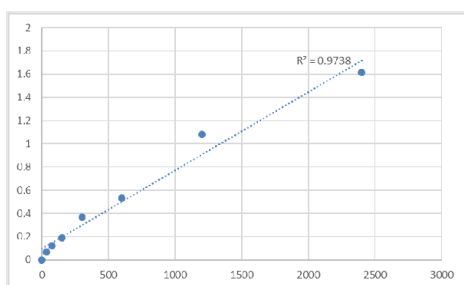
PRODUCT SYNONYMS

Signal Recognition Particle 54 kDa Protein (SRP54); Mouse Signal Recognition Particle 54 kDa Protein (SRP54) ELISA Kit; SRP54 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Signal recognition particle 54 kDa protein (SRP54) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SRP54. No significant cross-reactivity or interference between Mouse SRP54 and analogues was observed.
Sequence Length	504
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 54 kDa protein (SRP54) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SRP54 elisa kit	Description: This Mouse Signal recognition particle 54 kDa protein (SRP54) ELISA Kit employs a two-site sandwich ELISA to quantitate SRP54 in samples. An antibody specific for SRP54 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRP54 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SRP54 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 SRP54 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 complex consists of a 7S (or 7SL) RNA and 6 different proteins, SRP9, SRP14, SRP19, SRP54, SRP68, and SRP72. SRP54 is positioned at the exit site close to ribosomal proteins L23a and L35. When SRP54 contacts the signal recognition particle receptor, SRP54 is rearranged such that it is no longer close to L23a. This repositioning may allow the translocon to dock with the ribosome, leading to insertion of the signal peptide into the translocation channel. SRP54 binds to SRP RNA via the M-domain, but only in the presence of RNA-bound SRP19, and that it associates with the signal peptide of nascent polypeptide chains.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153791789
NCBI Accession #	NP_001093579.1
NCBI GenBank Nucleotide #	NP_001093579.1
UniProt Accession #	P14576
NCBI Official Full Name	signal recognition particle 54 kDa protein
UniProt Protein Name	Signal recognition particle 54 kDa protein
UniProt Gene Name	Srp54
UniProt Synonym Gene Names	SRP54
UniProt Entry Name	SRP54_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.