

Mouse Sorcin (SRI) ELISA Kit | SRI elisa kit

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CATALOG #
AAA332267

REACTIVITY
Mouse

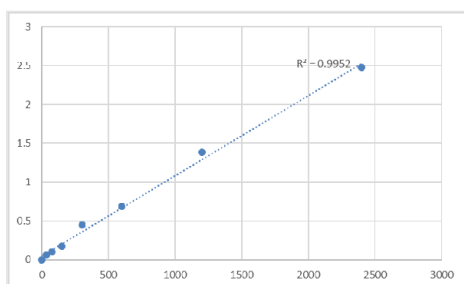
PRODUCT SYNONYMS

Sorcin (SRI); Mouse Sorcin (SRI) ELISA Kit; SRI; FLJ26259; SCN; H_RG167B05.1; calcium binding protein amplified in mutlidrug-resistant cells; SRI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Sorcin (SRI) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SRI. No significant cross-reactivity or interference between Mouse SRI and analogues was observed.
Sequence Length	198
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 Sorcin (SRI) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SRI elisa kit	Description: This Mouse Sorcin (SRI) ELISA Kit employs a two-site sandwich ELISA to quantitate SRI in samples. An antibody specific for SRI has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRI present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SRI 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 SRI bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Sarcalumenin is a gene which encodes a 160-kD glycoprotein protein involved in calcium signaling. Muscle contraction is triggered by the release of calcium from the sarcoplasmic reticulum, whereas muscle relaxation is achieved by rapid reuptake of calcium from the cytosol into the lumen of the sarcoplasmic reticulum. Sequestration of calcium in the lumen of the sarcoplasmic reticulum is also an essential step in the overall contraction-relaxation cycle of muscle cells. The rabbit sarcoplasmic reticulum contains 2 immunochemically related glycoproteins with apparent molecular masses of 53 and 160 kD. The deduced 160-kD glycoprotein contains an N-terminal signal sequence and a 453-amino acid C-terminal sequence that together form a protein that is identical to the 53-kD glycoprotein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124430537
NCBI GeneID	109552
NCBI Accession #	NP_001074443.1
NCBI GenBank Nucleotide #	NP_001074443.1
UniProt Accession #	Q6P069
NCBI Official Full Name	sorcin isoform 1
NCBI Official Synonym Full Names	sorcin
NCBI Official Symbol	Sri
NCBI Official Synonym Symbols	Sor; 2210417O06Rik; 2900070H08Rik
NCBI Protein Information	sorcin
UniProt Protein Name	Sorcin
UniProt Gene Name	Sri

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.