

Human Sarcalumenin (SRL) ELISA Kit | SRL elisa kit

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CATALOG #
AAA330576

REACTIVITY
Human

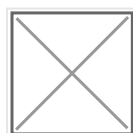
PRODUCT SYNONYMS

Sarcalumenin (SRL); Human Sarcalumenin (SRL) ELISA Kit; SRL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	473
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SRL elisa kit

Principle of the Assay: Human Sarcalumenin (SRL) ELISA Kit employs a two-site sandwich ELISA to quantitate SRL in samples. An antibody specific for SRL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRL present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human SRL detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of SRL bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	149363672
NCBI GeneID	6345
NCBI Accession #	NP_001092284.1
NCBI GenBank Nucleotide #	NP_001092284.1

UniProt Accession #	Q86TD4
NCBI Official Full Name	sarcalumenin isoform 1
NCBI Official Synonym Full Names	sarcalumenin
NCBI Official Symbol	SRL
NCBI Official Synonym Symbols	SAR
NCBI Protein Information	sarcalumenin
UniProt Protein Name	Sarcalumenin
UniProt Gene Name	SRL
UniProt Entry Name	SRCA_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/human-elisa-kits/sarcalumenin-srl/330576>