

Human Sorcin (SRI) ELISA Kit | SRI elisa kit

Human Sorcin (SRI) ELISA Kit

CATALOG #
AAA330575

REACTIVITY
Human

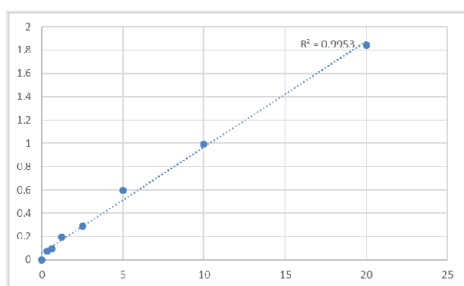
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sorcin (SRI) ELISA Kit has high sensitivity and excellent specificity for detection of Human SRI. No significant cross-reactivity or interference between Human SRI and analogues was observed.
Sequence Length	195
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. Human Sorcin (SRI) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SRI elisa kit	Description: This Human 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: The 22-kD sorcin protein was overexpressed in HOB1/VCR-1.0 cells, a multidrug-resistant human B immunoblastic lymphoma cell line. By PCR with primers based on the sequence of hamster sorcin, the authors recovered a partial human sorcin cDNA. Using the partial cDNA to screen a HOB1/VCR-1.0 library, they isolated cDNAs corresponding to the entire sorcin coding region. The predicted 198-amino acid human protein shares 95% sequence identity with hamster sorcin. Human sorcin contains 4 EF-hand calcium-binding motifs. Purified protein bound calcium in vitro. Southern and Northern blot analysis revealed that the sorcin gene is amplified and overexpressed in HOB1/VCR-1.0 cells. No expression was detected in parental HOB1 cells.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	379317145
NCBI GeneID	6717
NCBI Accession #	NP_001243820.1
NCBI GenBank Nucleotide #	NP_001243820.1
UniProt Accession #	P30626
NCBI Official Full Name	sorcin isoform C
NCBI Official Synonym Full Names	sorcin
NCBI Official Symbol	SRI
NCBI Official Synonym Symbols	SCN; V19; CP22; CP-22
NCBI Protein Information	sorcin
UniProt Protein Name	Sorcin
UniProt Gene Name	SRI
UniProt Synonym Gene Names	CP22
UniProt Entry Name	SORCN_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.