

Human Serum Deprivation Response (SDPR) ELISA Kit | SDPR elisa kit

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CATALOG #
AAA330932

REACTIVITY
Human

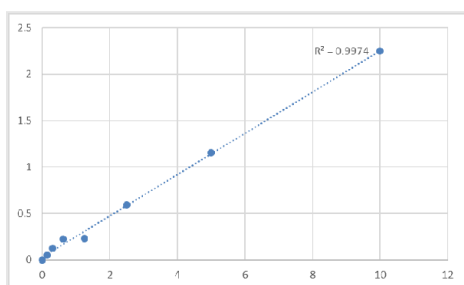
PRODUCT SYNONYMS

Serum Deprivation Response (SDPR); Human Serum Deprivation Response (SDPR) ELISA Kit; SDPR; PS-p68; SDR; cavin-2; phosphatidylserine binding protein; serum deprivation response (phosphatidylserine-binding protein); serum deprivation response protein; SDPR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Serum deprivation response (SDPR) ELISA Kit has high sensitivity and excellent specificity for detection of Human SDPR. No significant cross-reactivity or interference between Human SDPR and analogues was observed.
Sequence Length	425
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 Serum deprivation response (SDPR) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SDPR elisa kit	Description: This Human Serum deprivation response (SDPR) ELISA Kit employs a two-site sandwich ELISA to quantitate SDPR in samples. An antibody specific for SDPR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SDPR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SDPR 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 SDPR bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SDPR encodes a calcium-independent phospholipid-binding protein whose expression increases in serum-starved cells. This protein has also been shown to be a substrate for protein kinase C (PKC) phosphorylation. The SDPR cDNA encodes a deduced 425-amino acid peptide with a calculated molecular mass of 47.2 kD. The human and mouse proteins share 84% sequence identity; both contain a leucine zipper-like domain with 7 repeats and 2 putative protein kinase C phosphorylation sites. Northern blot analysis of various human tissues showed nearly ubiquitous expression of a 3.1-kb transcript, which was always coexpressed with a shorter transcript. Highest expression was detected in heart and lung. SDPR is able to bind PS liposomes in a calcium-independent manner.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4759082
NCBI GeneID	8436
NCBI Accession #	NP_004648
NCBI GenBank Nucleotide #	NP_004648.1
UniProt Accession #	O95810
NCBI Official Full Name	caveolae-associated protein 2
NCBI Official Synonym Full Names	caveolae associated protein 2
NCBI Official Symbol	CAVIN2
NCBI Official Synonym Symbols	SDR; SDPR; PS-p68; cavin-2
NCBI Protein Information	caveolae-associated protein 2
UniProt Protein Name	Serum deprivation-response protein
UniProt Gene Name	SDPR
UniProt Entry Name	SDPR_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/serum-deprivation-response-sdpr/330932>