

Canine Serum Deprivation Response Protein ELISA Kit | SDPR elisa kit

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CATALOG #
AAA94652

REACTIVITY
Canine

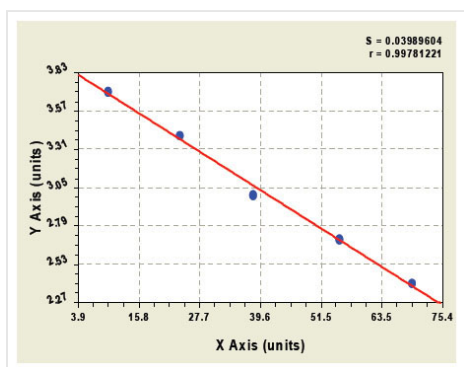
PRODUCT SYNONYMS

Serum Deprivation Response Protein; Canine Serum Deprivation Response Protein ELISA Kit; SDPR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This SDPR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SDPR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SDPR elisa kit

Principle of the assay: SDPR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SDPR antibody and an SDPR-HRP conjugate. The assay sample and buffer are incubated together with SDPR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SDPR concentration since SDPR from samples and SDPR-HRP conjugate compete for the anti-SDPR antibody binding site. Since the number of sites is limited, as more sites are occupied by SDPR from the sample, fewer sites are left to bind SDPR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SDPR concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SDPR elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759082
NCBI GeneID	8436
NCBI Accession #	NP_004648.1
NCBI GenBank Nucleotide #	NM_004657.5
Molecular Weight	47,173 Da
NCBI Official Full Name	serum deprivation-response protein
NCBI Official Synonym Full Names	serum deprivation response
NCBI Official Symbol	SDPR
NCBI Official Synonym Symbols	SDR; CAVIN2; PS-p68; cavin-2
NCBI Protein Information	serum deprivation-response protein; phosphatidylserine binding protein; phosphatidylserine-binding protein
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sdpr-canine-elisa-kits/serum-deprivation-response-protein/94652>