

Canine Voltage Dependent Anion Channel 1 ELISA Kit | VDAC-1 elisa kit

Canine Voltage Dependent Anion Channel 1 ELISA Kit

CATALOG #
AAA93903

REACTIVITY
Canine

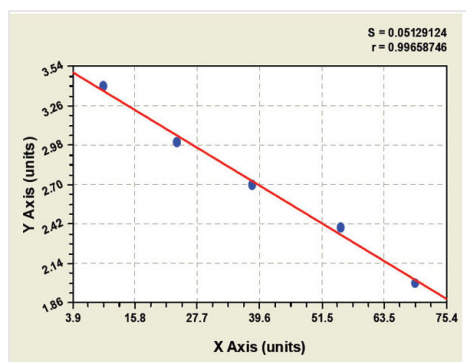
PRODUCT SYNONYMS

Voltage Dependent Anion Channel 1; Canine Voltage Dependent Anion Channel 1 ELISA Kit; VDAC-1 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 VDAC-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine VDAC-1. 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 VDAC-1 elisa kit

Principle of the Assay: VDAC-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VDAC-1 antibody and an VDAC-1-HRP conjugate. The assay sample and buffer are incubated together with VDAC-1-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 VDAC-1 concentration since VDAC-1 from samples and VDAC-1-HRP conjugate compete for the anti-VDAC-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by VDAC-1 from the sample, fewer sites are left to bind VDAC-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VDAC-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for VDAC-1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	58476644
NCBI GeneID	7416
Molecular Weight	30,773 Da
NCBI Official Full Name	Voltage-dependent anion channel 1
NCBI Official Synonym Full Names	voltage-dependent anion channel 1
NCBI Official Symbol	VDAC1
NCBI Official Synonym Symbols	PORIN; VDAC-1
NCBI Protein Information	voltage-dependent anion-selective channel protein 1; porin 31HL; porin 31HM; plasmalemmal porin; outer mitochondrial membrane protein porin 1
UniProt Protein Name	Voltage-dependent anion-selective channel protein 1
UniProt Gene Name	VDAC1
UniProt Synonym Gene Names	VDAC; VDAC-1; hVDAC1
UniProt Entry Name	VDAC1_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/vdac-1-canine-elisa-kits/voltage-dependent-anion-channel-1/93903>