Canine Pulmonary Surfactant Associated Protein D ELISA Kit | SPD elisa kit

Canine Pulmonary Surfactant Associated Protein D ELISA Kit

CATALOG #	REACTIVITY
AAA91365	**Canine**

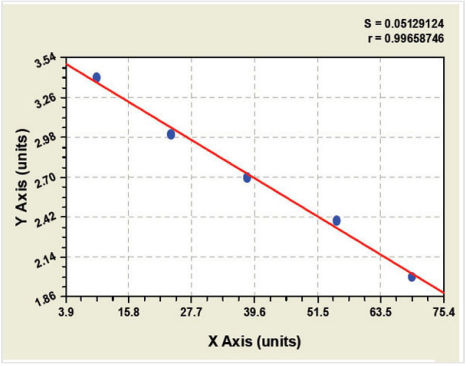
PRODUCT SYNONYMS

Pulmonary Surfactant Associated Protein D; Canine Pulmonary Surfactant Associated Protein D ELISA Kit; SPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPD elisa kit	**For samples:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate **INTENDED USE** This SPD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SPD. This ELISA kit for research use only! **PRINCIPLE OF THE ASSAY** SPD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SPD antibody and an SPD-HRP conjugate. The assay sample and buffer are incubated together with SPD-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 SPD concentration since SPD from samples and SPD-HRP conjugate compete for the anti-SPD antibody binding site. Since the number of sites is limited, as more sites are occupied by SPD from the sample, fewer sites are left to bind SPD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SPD concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SPD elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	282162663
NCBI GeneID	8680170
NCBI Accession #	YP_003358133.1
NCBI GenBank Nucleotide #	NC_013667.2
Molecular Weight	40,924 Da
NCBI Official Full Name	Spd
NCBI Official Symbol	pWTY27_6
NCBI Protein Information	Spd
UniProt Protein Name	Spd
UniProt Entry Name	D2KKW1_9ACTO

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/spd-canine-elisa-kits/pulmonary-surfactant-associated-protein-d/91365