

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

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CATALOG #
AAA91875

REACTIVITY
Chicken

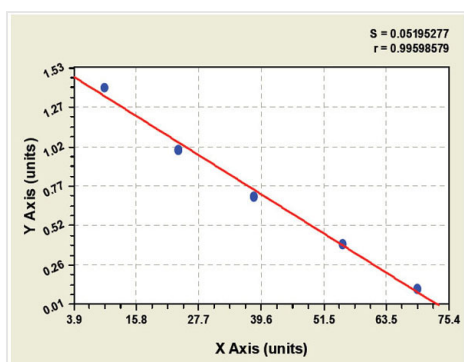
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/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

Intended Uses: This SPD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken 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
NCBI Official Full Name	Spd
NCBI Official Symbol	pWTY27_6
NCBI Protein Information	Spd

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-chicken-elisa-kits/pulmonary-surfactant-associated-protein-d/91875>