

Porcine Pulmonary Surfactant Associated Protein B ELISA Kit | SPB elisa kit

Porcine Pulmonary Surfactant Associated Protein B ELISA Kit

CATALOG #
AAA89905

REACTIVITY
Porcine

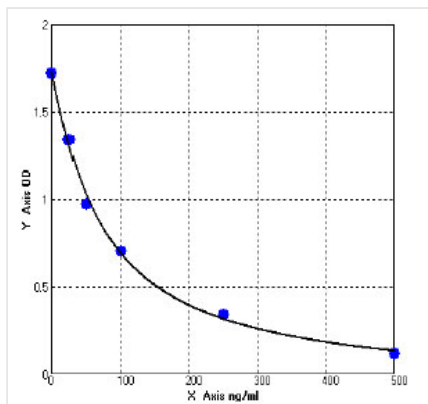
PRODUCT SYNONYMS

Pulmonary Surfactant Associated Protein B; Porcine Pulmonary Surfactant Associated Protein B ELISA Kit; SPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of SPB. No significant cross-reactivity or interference between SPB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SPB and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPB elisa kit	Intended Uses: This SPB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine SPB. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SPB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SPB antibody and an SPB-HRP conjugate. The assay sample and buffer are incubated together with SPB-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 SPB concentration since SPB from samples and SPB-HRP conjugate compete for the anti-SPB antibody binding site. Since the number of sites is limited, as more sites are occupied by SPB from the sample, fewer sites are left to bind SPB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SPB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SPB elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	126723505
NCBI GeneID	100009194
NCBI Accession #	NP_001075812.1
NCBI GenBank Nucleotide #	NM_001082343.1
Molecular Weight	40,610 Da
NCBI Official Full Name	pulmonary surfactant-associated protein B
NCBI Official Symbol	SFTP3
NCBI Official Synonym Symbols	SP-B; SFTP3
NCBI Protein Information	pulmonary surfactant-associated protein B; 6 kDa protein; pulmonary surfactant-associated proteolipid SPL(Phe)
UniProt Protein Name	Pulmonary surfactant-associated protein B
UniProt Gene Name	SFTP3
UniProt Synonym Gene Names	SFTP3; SP-B
UniProt Entry Name	PSPB_RABIT

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/spb-porcine-elisa-kits/pulmonary-surfactant-associated-protein-b/89905>