

Porcine Surfactant Associated Protein A (SPA) ELISA Kit | SPA elisa kit

Porcine Surfactant Associated Protein A (SPA) ELISA Kit

CATALOG #
AAA65387

REACTIVITY
Porcine

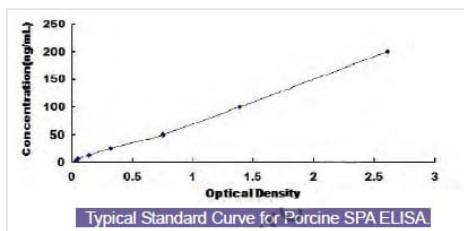
PRODUCT SYNONYMS

Surfactant Associated Protein A (SPA); Porcine Surfactant Associated Protein A (SPA) ELISA Kit; PRL; SFTPA; PSAP; PSPA; SFTP; SFTPA1; COLEC4; PSP-A; SFTP1; SFTPA1B; SP-A1; Collectin-4; Alveolar proteinosis protein; 35 kDa pulmonary surfactant-associated protein; SPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of SOD1. No significant cross-reactivity or interference between SOD1 and analogues was observed.
Sequence Length	249
Samples	Mouse Serum, Plasma, Tissue Homogenates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.066ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SOD1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SOD1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPA elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SOD1 in mouse serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SOD1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SOD1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain SOD1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of SOD1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	47523604
NCBI GeneID	397503
NCBI Accession #	NP_999430.1
NCBI GenBank Nucleotide #	NM_214265.1
UniProt Accession #	P49874
Molecular Weight	26,702 Da
NCBI Official Full Name	pulmonary surfactant-associated protein A
NCBI Official Symbol	SFTPA1
NCBI Official Synonym Symbols	PSP-A; SFTPA
NCBI Protein Information	pulmonary surfactant-associated protein A
UniProt Protein Name	Pulmonary surfactant-associated protein A
UniProt Gene Name	SFTPA1
UniProt Synonym Gene Names	SFTP1; SFTPA; PSAP; PSP-A; SP-A

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/porcine-elisa-kits/surfactant-associated-protein-a-spa/65387>