

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

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CATALOG #
AAA22983

REACTIVITY
Human

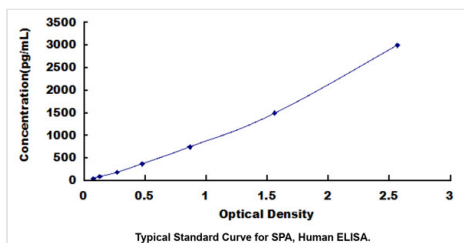
PRODUCT SYNONYMS

Surfactant Associated Protein A (SPA); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SPA. No significant cross-reactivity or interference between SPA and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates and other biological fluids
Detection Range	46.88-3,000pg/mL
Sensitivity	< 18.55pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high-level SPA 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 SPA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPA elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SPA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SPA. 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 SPA, 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 SPA in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SPA in human serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates and other biological fluids.
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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/human-elisa-kits/surfactant-associated-protein-a-spa/22983>