

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

Human Surfactant Associated Protein A (SPA) ELISA Kit

CATALOG #
AAA218528

REACTIVITY
Human

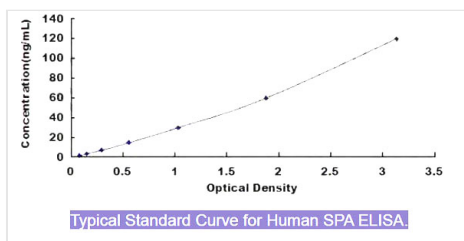
PRODUCT SYNONYMS

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 rtu 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.
Sequence Length	263
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates or other biological fluids
Detection Range	1.87-120ng/mL
Sensitivity	< 0.69ng/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	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPA rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SPA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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 the in vitro quantitative measurement of SPA in human serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	257467606
NCBI GeneID	653509
NCBI Accession #	NP_001087239.2
NCBI GenBank Nucleotide #	NM_001093770.2
UniProt Accession #	Q8IWL2; P07714; Q14DV4; Q5RIR5; Q5RIR7; A8K3T8; B7ZW50; E3VLD8; E3VLD9; E3VLE0; E3VLE1; G5E9J3
Molecular Weight	27,736 Da
NCBI Official Full Name	pulmonary surfactant-associated protein A1 isoform 2
NCBI Official Synonym Full Names	surfactant protein A1
NCBI Official Symbol	SFPA1
NCBI Official Synonym Symbols	SPA; PSAP; PSPA; SP-A; SPA1; PSP-A; SFTP1; SP-A1; COLEC4; SFPA1B
NCBI Protein Information	pulmonary surfactant-associated protein A1
UniProt Protein Name	Pulmonary surfactant-associated protein A1
UniProt Gene Name	SFPA1
UniProt Synonym Gene Names	COLEC4; PSAP; SFTP1; SFPA; SFPA1B; PSP-A; PSPA; SP-A; SP-A1

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-rtu-elisa-kits/surfactant-associated-protein-a-spa/218528>