

Human Pulmonary Surfactant Associated Protein A1 (SFTPA1) CLIA Kit | SFTPA1 clia kit

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CATALOG #
AAA151224

REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SFTPA1. No significant cross-reactivity or interference between SFTPA1 and analogues was observed.
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.37-1,000pg/mL
Sensitivity	< 0.53pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SFTPA1 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 SFTPA1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for SFTPA1 clia kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SFTPA1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SFTPA1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the SFTPA1 level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of SFTPA1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for SFTPA1 clia kit	Infection immunity; Pulmonology

NCBI AND UNIPROT INFORMATION

NCBI GI #	109731624
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NCBI GeneID	6435
UniProt Accession #	Q8IWL2; P07714; Q14DV4; Q5RIR5; Q5RIR7; A8K3T8; B7ZW50; E3VLD8; E3VLD9; E3VLE0; E3VLE1; G5E9J3
Molecular Weight	26,242 Da
NCBI Official Full Name	Surfactant protein A1B
NCBI Official Synonym Full Names	surfactant protein A1B
NCBI Official Symbol	SFTP A1B
NCBI Official Synonym Symbols	PSAP; PSPA; SFTP1; SFTP A1; AC068139.6
NCBI Protein Information	surfactant protein A1B; pulmonary surfactant apoprotein; surfactant, pulmonary-associated protein A1; surfactant, pulmonary-associated protein A1B
UniProt Protein Name	Pulmonary surfactant-associated protein A1
UniProt Gene Name	SFTP A1
UniProt Synonym Gene Names	COLEC4; PSAP; SFTP1; SFTP A; SFTP A1B; PSP-A; PSPA; SP-A; SP-A1
UniProt Entry Name	SFTA1_HUMAN

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/human-clia-kits/pulmonary-surfactant-associated-protein-a1-sftpa1/151224>