

Human Pulmonary surfactant-associated protein A1 ELISA Kit | SFTPA1 elisa kit

Human Pulmonary surfactant-associated protein A, SP-A ELISA Kit

CATALOG #
AAA80052

REACTIVITY
Human

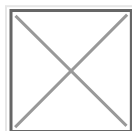
PRODUCT SYNONYMS

Pulmonary surfactant-associated protein A1; Human Pulmonary surfactant-associated protein A; SP-A ELISA Kit; AC068139.6; MGC133365; PSAP; PSPA; SFTPA1; SFTPA1; pulmonary surfactant apoprotein; surfactant; pulmonary-associated protein A1; pulmonary-associated protein A1B; SFTPA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human SP-A. No significant cross-reactivity or interference between human SP-A and analogues was observed.
Sequence Length	263
Samples	Serum, plasma, cell culture supernates, urine
Assay Type	Sandwich
Detection Range	15.6 pg/ml -1000 pg/ml.
Sensitivity	The minimum detectable dose of human SP-A is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SFTPA1 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SP-A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SP-A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SP-A is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SP-A bound in the initial step. The color development is stopped and the intensity of the color is measured.

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	26,242 Da
NCBI Official Full Name	pulmonary surfactant-associated protein A1 isoform 2
NCBI Official Synonym Full Names	surfactant protein A1
NCBI Official Symbol	SFTPA1
NCBI Official Synonym Symbols	SPA; PSAP; PSPA; SP-A; SPA1; PSP-A; SFTP1; SP-A1; COLEC4; SFTPA1B
NCBI Protein Information	pulmonary surfactant-associated protein A1; collectin-4; surfactant protein A1B; alveolar proteinosis protein; surfactant protein A1 variant AD' 6A; surfactant protein A1 variant ACD' 6A; surfactant protein A1 variant AD' 6A2; surfactant protein A1 variant AD' 6A3; surfactant protein A1 variant AD' 6A4; surfactant protein A1 variant AB'D' 6A; surfactant protein A1 variant ACD' 6A2; surfactant protein A1 variant ACD' 6A3; surfactant protein A1 variant ACD' 6A4; surfactant protein A1 variant AB'D' 6A2; surfactant protein A1 variant AB'D' 6A3; surfactant protein A1 variant AB'D' 6A4; surfactant, pulmonary-associated protein A1A; surfactant, pulmonary-associated protein A1B; 35 kDa pulmonary surfactant-associated protein
UniProt Protein Name	Pulmonary surfactant-associated protein A1
UniProt Gene Name	SFTPA1
UniProt Synonym Gene Names	COLEC4; PSAP; SFTP1; SFTPA; SFTPA1B; 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.

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Online datasheet: <https://stage.aaabiotech.com/sftpa1-human-elisa-kits/pulmonary-surfactant-associated-protein-a1/80052>