

## Monkey Pulmonary Surfactant-Associated Protein D (SFTPD) ELISA Kit | SFTPD elisa kit

Monkey Pulmonary Surfactant-Associated Protein D (SFTPD) ELISA Kit

CATALOG #  
**AAA247502**

REACTIVITY  
**Monkey**

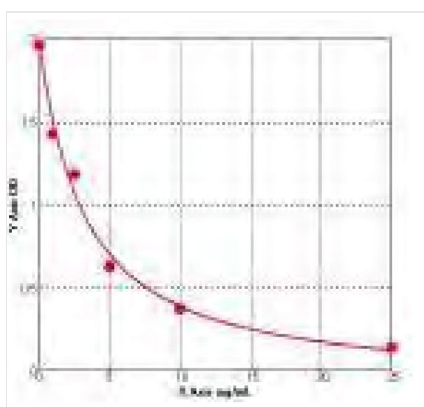
### PRODUCT SYNONYMS

Pulmonary Surfactant-Associated Protein D (SFTPD); Monkey Pulmonary Surfactant-Associated Protein D (SFTPD) ELISA Kit; SFTPD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of SPD. No significant cross-reactivity or interference between SPD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SPD and all the analogues, therefore, cross reaction may still exist in some cases. |
| Sequence Length         | 375                                                                                                                                                                                                                                                                                                                                                                                   |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 0.1 ng/ml                                                                                                                                                                                                                                                                                                                                                                             |
| Reactivity Note         | No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.                                                                                                          |
| Preparation and Storage | Store at 2-8 degree C.<br>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.                                                                                                                                                                                  |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SFTPD elisa kit | <p>Principle of the Assay: SPD ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SPD antibody and an SPD-HRP conjugate. The assay sample and buffer are incubated together with SPD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SPD concentration since SPD from samples and SPD-HRP conjugate compete for the anti-SPD antibody binding site. Since the number of sites is limited, as more sites are occupied by SPD from the sample, fewer sites are left to bind SPD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SPD concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This SPD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey SPD. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for SFTPD elisa kit   | Immunology; Microbiology; Signal Transduction; Cancer; Cardiovascular; Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 61699226                                               |
| NCBI GeneID                      | 6441                                                   |
| NCBI Accession #                 | NP_003010.4                                            |
| NCBI GenBank Nucleotide #        | NM_003019.5                                            |
| UniProt Accession #              | P35247; Q5T0M3; Q6FH08; Q86YK9; Q8TCD8; Q9UCJ2; Q9UCJ3 |
| Molecular Weight                 | 37,728 Da                                              |
| NCBI Official Full Name          | pulmonary surfactant-associated protein D              |
| NCBI Official Synonym Full Names | surfactant protein D                                   |
| NCBI Official Symbol             | SFTPD                                                  |
| NCBI Official Synonym Symbols    | SP-D; PSP-D; SFTP4; COLEC7                             |
| NCBI Protein Information         | pulmonary surfactant-associated protein D              |
| UniProt Protein Name             | Pulmonary surfactant-associated protein D              |
| UniProt Gene Name                | SFTPD                                                  |
| UniProt Synonym Gene Names       | COLEC7; PSPD; SFTP4; PSP-D; SP-D                       |

**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](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monkey-elisa-kits/pulmonary-surfactant-associated-protein-d-sftpd/247502>