

Human SPD (Surfactant Associated Protein D) ELISA Kit | SPD elisa kit

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CATALOG #
AAA269866

REACTIVITY
Human

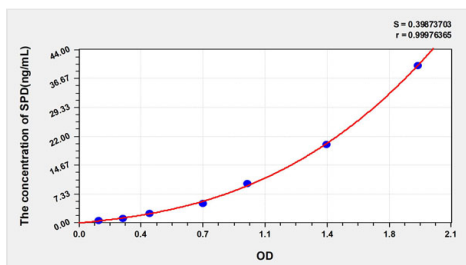
PRODUCT SYNONYMS

SPD (Surfactant Associated Protein D); Human SPD (Surfactant Associated Protein D) ELISA Kit; SFTPD; COLEC7; PSP-D; SFTP4; SP-D; Pulmonary Surfactant Protein D; Collectin-7; Lung surfactant protein D; SPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates and other biological fluids
Assay Type	Sandwich
Detection Range	0.63-40 ng/mL
Sensitivity	0.233 ng/mL
Intra-assay Precision	CV%<8%
Inter-assay Precision	CV%<10%
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPD elisa kit

Principle of the assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Surfactant Associated Protein D (SPD). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Surfactant Associated Protein D (SPD). 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 Surfactant Associated Protein D (SPD), 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 $\pm$ 10nm. The concentration of Surfactant Associated Protein D (SPD) in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for SPD elisa kit

Infection immunity; Pulmonology

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-elisa-kits/spd-surfactant-associated-protein-d/269866>