

Mouse Pulmonary Surfactant Associated Protein D ELISA Kit | SP-D elisa kit

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CATALOG #
AAA101059

REACTIVITY
Mouse

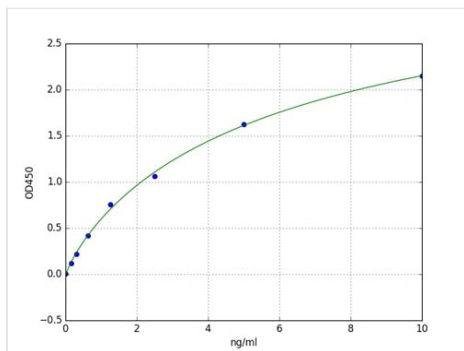
PRODUCT SYNONYMS

Pulmonary Surfactant Associated Protein D; Mouse Pulmonary Surfactant Associated Protein D ELISA Kit; SPD (Pulmonary Surfactant Associated Protein D)/SFTPD/SP-D/Collectin 7/PSP-D/SFTP4/COLEC7/collectin-7/Lung surfactant protein D/PSPD/pulmonary surfactant-associated protein D/pulmonary surfactant apoprotein/surfactant protein D/surfactant; pulmonary-associated protein D/surfactant-associated protein; pulmonary 4; SP-D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	254
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse SPD ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.082	0.141	0.172	0.270	0.439	0.838	1.548	2.165

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SP-D elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse SPD antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse SPD antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse SPD amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse SPD can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	326633216
NCBI GeneID	374267
NCBI Accession #	NP_989680.2
NCBI GenBank Nucleotide #	NM_204349.2
NCBI Official Full Name	pulmonary surfactant-associated protein D
NCBI Official Synonym Full Names	mannose-binding lectin (protein C) 2, soluble
NCBI Official Symbol	MBL2
NCBI Official Synonym Symbols	MBL1; cMBI; collectin
NCBI Protein Information	pulmonary surfactant-associated protein 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.

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Online datasheet: <https://stage.aaabiotech.com/sp-d-mouse-elisa-kits/pulmonary-surfactant-associated-protein-d/101059>