Mouse SP-D Antibody Pair Set

Catalog No. E-KAB-0351 **Applications** ELISA

Synonyms SFTPD, COLEC7, PSP-D, SFTP4, SP-D, surfactant protein D, Lung surfactant protein D, Collectin-7, Pulmonary surfactant-associated protein D

Kit components & Storage

Title	Specifications	Storage
Mouse SP-D Capture Antibody	1 vial, 100 μ g	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Mouse SP-D Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

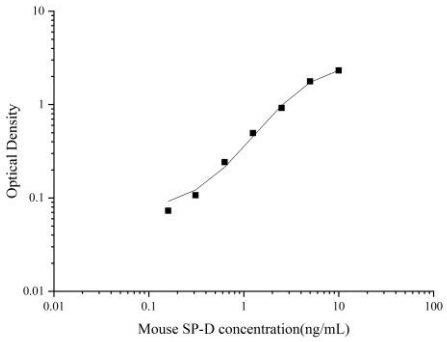
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0351)	
		Mouse SP-D Capture Antibody	Mouse SP-D Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse SP-D protein	Recombinant Mouse SP-D protein
	Swissprot	P50404	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A & Antigen Affinity
	Specificity	Detects Mouse SP-D in ELISAs.	

Applications

Mouse SP-D Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Mouse SP-D Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse SP-D Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Surfactant, pulmonary-associated protein D, also known as SFTPD or SP-D, is a protein which in humans is encoded by the SFTPD gene. SFTPD is an innate immune system collectin. Surfactant protein D has been shown to interact with DMBT1. Contributes to the lung's defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.