Pulmonary Surfatcant-Associated Protein D, Sp-D (SP-D) ELISA Kit for Bovine

PRODUCT OVERVIEW

Product Name	Pulmonary surfatcant-associated protein D, SP-D, ELISA Kit
Full Product Name	Bovine Pulmonary surfatcant-associated protein D, SP-D ELISA Kit
Product Gene Name	SP-D elisa kit
Species Reactivity	Bovine
Preparation and Storage	Store at 2 to 8 degree C for 6 months.
Molecular Weight	37,728 Da
3D Structure	ModBase 3D Structure for P35247
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SP-D elisa kit	MBS166322 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Pulmonary surfatcant-associated protein D, SP-D, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SP-D. The ELISA analytical biochemical technique of the MBS166322 kit is based on SP-D antibody-SP-D antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SP-D antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SP-D. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of SP-D elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SP-D. It may not necessarily be applicable to this product.

NCBI GI #	61699226
NCBI GeneID	6441
NCBI Accession #	NP_003010.4
UniProt Primary Accession #	P35247
UniProt Secondary Accession #	Q5T0M3; Q6FH08; Q86YK9; Q8TCD8; Q9UCJ2; Q9UCJ3
UniProt Related Accession #	P35247
GenBank Nucleotide #	NM_003019.4
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
UniProt Protein Name	Pulmonary surfactant-associated protein D
UniProt Synonym Protein Names	Collectin-7; Lung surfactant protein D
UniProt Gene Name	SFTPD

UniProt Synonym Gene Names	COLEC7; PSPD; SFTP4; PSP-D; SP-D
NCBI Protein Information	pulmonary surfactant-associated protein D
NCBI Summary for SP-D	The protein encoded by this gene is part of the innate immune response, protecting the lungs against inhaled microorganisms and chemicals. The encoded protein may also be involved in surfactant metabolism. [provided by RefSeq, Jul 2015]
UniProt Comments for SP-D	Contributes to the lung's defense against inhaled microorganisms, organic antigens and toxins. Interacts with compounds such as bacterial lipopolysaccharides, oligosaccharides and fatty acids and modulates leukocyte action in immune response. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.
Research Articles on SP-D	**1.** the SPA and SPD levels in EBC were correlated with lung function, which contributed to COPD diagnosis.
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