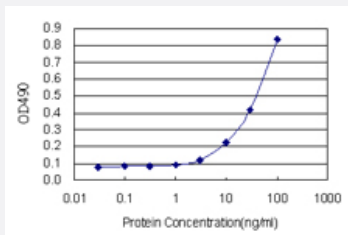


SFTPC (Human) Matched Antibody Pair

Catalog # H00006440-AP11

Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human SFTPC.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (78%); Rat (78%)
Quality Control Testing	Standard curve using recombinant protein (H00006440-P01) as an analyte. Sandwich ELISA detection sensitivity ranging from 3 ng/ml to 100 ng/ml.
Supplied Product	Antibody pair set content: 1. Capture antibody: rabbit MaxPab® affinity purified polyclonal anti-SFTPC (100 ug) 2. Detection antibody: mouse monoclonal anti-SFTPC, IgG2a Kappa (20 ug) *Reagents are sufficient for at least 1-2 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Recombinant protein)

[Protocol Download](#)

Gene Info — SFTPC

Entrez GeneID [6440](#)

Gene Name SFTPC

Gene Alias PSP-C, SFTP2, SMDP2, SP-C

Gene Description surfactant protein C

Omim ID [178500](#) [178620](#) [265120](#) [610913](#)

Gene Ontology [Hyperlink](#)

Gene Summary The SFTPC gene encodes pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. It is produced exclusively by type II alveolar epithelial cells in the lung. Pulmonary surfactant is a lipid-rich material that prevents lung collapse by lowering surface tension at the air-liquid interface in the alveoli of lung. Surfactant is composed of phospholipids and other surfactant-associated proteins (Clark and Clark, 2005 [PubMed 15927881]). See also SFTPA1 (MIM 178630), SFTPB (MIM 178640), and SFTPD (MIM 178635).[supplied by OMIM]

Other Designations pulmonary surfactant apoprotein-2 SP-C|surfactant, pulmonary-associated protein C

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Lung Diseases](#)
- [Premature Birth](#)

- [Pulmonary Alveolar Proteinosis](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Pulmonary Fibrosis](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Syncytial Virus Infections](#)