

Human Surfactant-Associated Protein 2 (SFTA2) ELISA Kit | SFTA2 elisa kit

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CATALOG #
AAA330887

REACTIVITY
Human

PRODUCT SYNONYMS

Surfactant-Associated Protein 2 (SFTA2); Human Surfactant-Associated Protein 2 (SFTA2) ELISA Kit; SFTA2; DADB-160J14.6; GSGL541; SFTPG; UNQ541; surfactant associated protein G; SFTA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Surfactant-associated protein 2 (SFTA2) ELISA Kit has high sensitivity and excellent specificity for detection of Human SFTA2. No significant cross-reactivity or interference between Human SFTA2 and analogues was observed.
Sequence Length	78
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	<ul style="list-style-type: none"> * Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Surfactant-associated protein 2 (SFTA2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SFTA2 elisa kit	<p>Description: This Human Surfactant-associated protein 2 (SFTA2) ELISA Kit employs a two-site sandwich ELISA to quantitate SFTA2 in samples. An antibody specific for SFTA2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SFTA2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SFTA2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SFTA2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: SFTPGis an amphipathic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a surface-active lipoprotein complex composed of 90% lipids and 10% proteins which include plasma proteins and apolipoproteins SPA, SPB, SPC and SPD. The surfactant is secreted by the alveolar cells of the lung and maintains the stability of pulmonary tissue by reducing the surface tension of fluids that coat the lung. The SPB enhances the rate of spreading and increases the stability of surfactant monolayers in vitro. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 1, also called pulmonary alveolar proteinosis due to surfactant protein B deficiency, and are associated with fatal respiratory distress in the neonatal period.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119623755
NCBI GeneID	389376
UniProt Accession #	Q6UW10
NCBI Official Full Name	surfactant associated protein G
NCBI Official Synonym Full Names	surfactant associated 2
NCBI Official Symbol	SFTA2
NCBI Official Synonym Symbols	SP-G; SFTPG; UNQ541; GSGL541
NCBI Protein Information	surfactant-associated protein 2
UniProt Protein Name	Surfactant-associated protein 2
UniProt Gene Name	SFTA2
UniProt Synonym Gene Names	SFTPG; SP-G
UniProt Entry Name	SFTA2_HUMAN

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/human-elisa-kits/surfactant-associated-protein-2-sfta2/330887>