

Rat surfactant protein A1 ELISA Kit | SFTPA1 elisa kit

Rat Pulmonary surfactant-associated protein A, SP-A ELISA Kit

CATALOG #
AAA80137

REACTIVITY
Rat

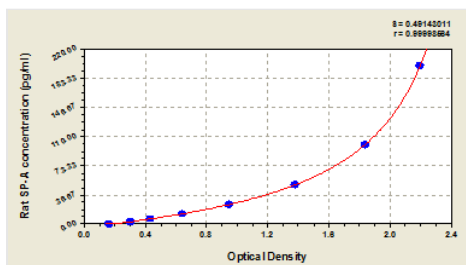
PRODUCT SYNONYMS

surfactant protein A1; Rat Pulmonary surfactant-associated protein A; SP-A ELISA Kit; AC068139.6; MGC133365; PSAP; PSPA; SFTP1; SFTPA1; pulmonary surfactant apoprotein; surfactant; pulmonary-associated protein A1; pulmonary-associated protein A1B; SFTPA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SFTPA1. No significant cross-reactivity or interference between Rat SFTPA1 and analogues was observed.
Sequence Length	247
Samples	Serum, plasma, cell culture supernates, bronchoalveolar lavage fluid, cerebrospinal fluid (CSF), urine and tissue homogenates
Assay Type	Sandwich
Detection Range	3.12 pg/ml-200 pg/ml
Sensitivity	0.78 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Transport
Protein Biological Process 3	Gaseous exchange
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SFTPA1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SP-A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SP-A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SP-A is added to the wells. After washing, avidin 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 SP-A bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723338
NCBI GeneID	100009044
NCBI Accession #	NP_001075698.1
NCBI GenBank Nucleotide #	NM_001082229.1
UniProt Accession #	P12842
Molecular Weight	26,071 Da
NCBI Official Full Name	pulmonary surfactant-associated protein A
NCBI Official Symbol	SFTPA1
NCBI Protein Information	pulmonary surfactant-associated protein A; PSAP; SP-A; PSP-A; surfactant, pulmonary-associated protein A1
UniProt Protein Name	Pulmonary surfactant-associated protein A
UniProt Gene Name	SFTPA1
UniProt Synonym Gene Names	SFTP1; SFTPA; PSAP; PSP-A; SP-A
UniProt Entry Name	SFTPA_RABIT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/sftpa1-rat-elisa-kits/surfactant-protein-a1/80137>