

Rat SP-A ELISA Kit | SP-A elisa kit

Rat SP-A (Pulmonary Surfactant-Associated Protein A) ELISA Kit

CATALOG #
AAA164104

REACTIVITY
Rat

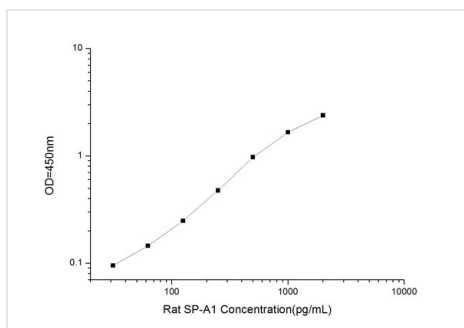
PRODUCT SYNONYMS

SP-A; Rat SP-A (Pulmonary Surfactant-Associated Protein A) ELISA Kit; SP-A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SP-A. No significant cross-reactivity or interference between Rat SP-A and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat SP-A and all the analogues, therefore, cross reaction may still exist.
Sequence Length	248
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	Min: 18.75pg/mL; Max: 2000pg/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SP-A elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SP-A in Rat serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat SP-A. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat SP-A and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat SP-A, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat SP-A. You can calculate the concentration of Rat SP-A in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260453
NCBI GeneID	20387
UniProt Accession #	P35242
Molecular Weight	26,157 Da
NCBI Official Full Name	SP-A
NCBI Official Synonym Full Names	surfactant associated protein A1
NCBI Official Symbol	Sftpa1
NCBI Official Synonym Symbols	SP-A; Sftp1; Sftp-1
NCBI Protein Information	pulmonary surfactant-associated protein A; PSAP; PSP-A; surfactant pulmonary associated protein A1
UniProt Protein Name	Pulmonary surfactant-associated protein A
UniProt Gene Name	Sftpa1
UniProt Synonym Gene Names	Sftp-1; Sftp1; Sftpa; PSAP; PSP-A; SP-A
UniProt Entry Name	SFTPA_MOUSE

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/rat-elisa-kits/sp-a/164104>