

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

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

CATALOG #
AAA164037

REACTIVITY
Rat

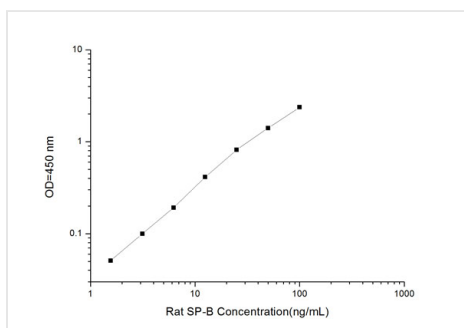
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant Rat SP-B. No significant cross-reactivity or interference between Rat SP-B and analogues was observed.
Sequence Length	377
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	1.563-100ng/mL
Sensitivity	Min: 0.938ng/mL; Max: 100ng/mL
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Rat SP-B concentrations in serum, plasma and other biological fluids.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SP-B elisa kit	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 SP-B. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for SP-B 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 SP-B, 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 SP-B. You can calculate the concentration of SP-B in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20800470
Molecular Weight	41,728 Da
NCBI Official Full Name	surfactant protein B
UniProt Protein Name	Pulmonary surfactant-associated protein B
UniProt Gene Name	Sftpb
UniProt Synonym Gene Names	Sftp3; SP-B
UniProt Entry Name	PSPB_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-b/164037>