



## Rat Pulmonary surfactant-associated protein A1 (SP-A1) Rapid ELISA kit

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This Rapid ELISA kit applies Sandwich enzyme immunoassay technique for the quantitative detection. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat SP-A1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat SP-A1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat SP-A1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of  $450 \text{ nm} \pm 2 \text{ nm}$ . The OD value is proportional to the concentration of Rat SP-A1. You can calculate the concentration of Rat SP-A1 in the samples by comparing the OD of the samples to the standard curve.

Catalog No.	3543035
Size	96-Well Tests
Product Category	Rapid ELISA
Reactivity	Rat
Sample	Serum; Tissue Homogenate; Cell Lysate; Cell Culture Supernatant; Alveolar Lavage Fluid
Assay Method	Sandwich ELISA
Assay Duration	1.5H
Sensitivity	18.75 pg/mL
Standard Curve Range	31.25-2000 pg/mL
Storage/Stability	-20°C/1 year; 4°C/6 months

