

# ELISA Kit for Surfactant Associated Protein A (SPA)

Catalog No: tcue839



## Available Sizes

**Size:** 96T



## Specifications

### Research Area:

Infection immunity; Pulmonology;

### Species Reactivity:

Canis familiaris; Canine (Dog)

### Sample Type:

serum, plasma, lung lavage fluid, tissue homogenates and other biological fluids

### Sensitivity:

The minimum detectable dose of this kit is typically less than 2.73pg/mL

### Detection Range:

6.25-400pg/mL

### Assay Time:

3h

### Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

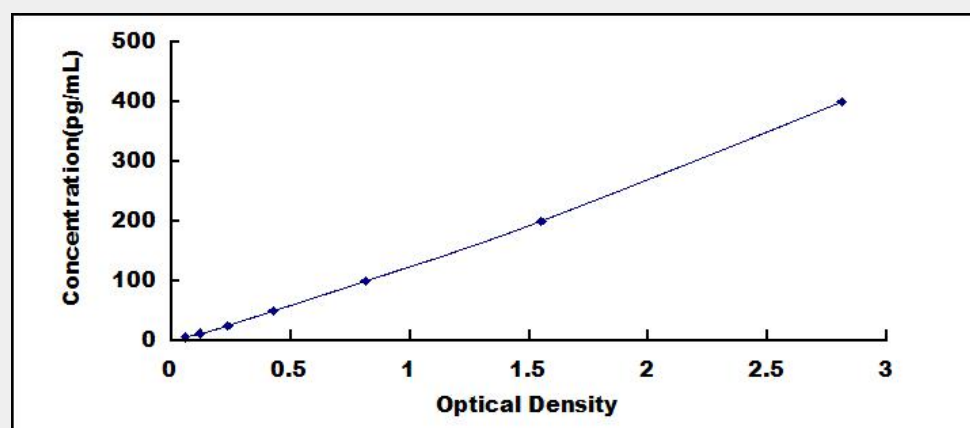
### Tested Application:

ELISA

## Test Principle

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Surfactant Associated Protein A (SPA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Surfactant Associated Protein A (SPA). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Surfactant Associated Protein A (SPA), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a

change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of  $450\text{nm} \pm 10\text{nm}$ . The concentration of Surfactant Associated Protein A (SPA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!