

## Product Datasheet

# Human SP-D(Pulmonary surfactant-associated protein D) Microsample ELISA Kit (orb2997470)

<b>Catalog Number</b>	orb2997470
<b>Category</b>	Assays and Kits
<b>Description</b>	Human SP-D(Pulmonary surfactant-associated protein D) Microsample ELISA Kit
<b>Reactivity</b>	Human
<b>UniProt ID</b>	<b>P35247</b>
<b>Application notes</b>	<p>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 Human SP-D. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human SP-D. 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 Human SP-D, 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 450nm <math>\pm</math> 10nm. The concentration of Human SP-D in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	3.5h
<b>Range</b>	1.25-80 ng/mL
<b>Sensitivity</b>	0.51 ng/mL
<b>Sample Types</b>	serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates and other biological fluids

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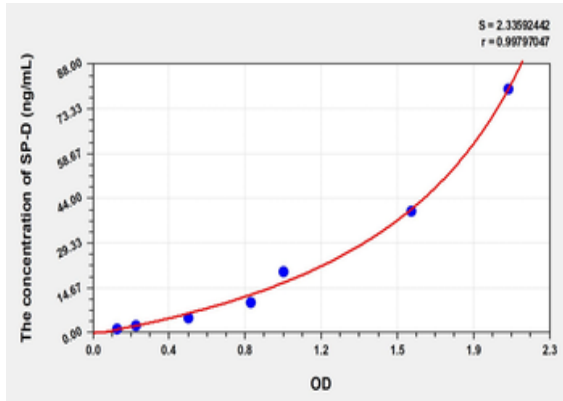
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**Note** For research use only

**Expiration Date** 6 months from date of receipt.



Standard curve for orb2997470 ELISA kit.

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