

Product Datasheet

Human Pulmonary surfactant-Associated Protein D (SP-D) ELISA Kit (orb782355)

Catalog Number	orb782355
Category	Assays and Kits
Description	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 SP-D(Pulmonary surfactant-associated protein D).
Reactivity	Human
Concentration	80 ng/mL
UniProt ID	P35247
Tested applications	ELISA
Application notes	standard: 80 ng/mL. 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 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 ± 10nm. The concentration of Human SP-D in the samples is then determined by comparing the OD of the samples to the standard curve
Assay Type	Sandwich
Assay Time	3.5h

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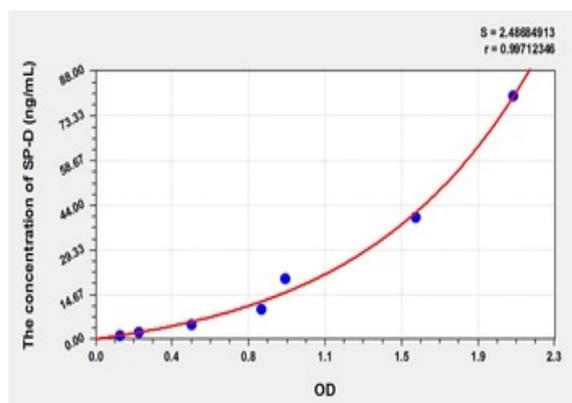
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Range	1.25-80 ng/mL
Sensitivity	0.53 ng/mL
Sample Types	serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates and other biological fluids
Note	For research use only

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