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Product Datasheet

Human Pulmonary surfactant-Associated Protein D (SP-D) ELISA Kit BYT-ORB782355

Article Name	Human Pulmonary surfactant-Associated Protein D (SP-D) ELISA Kit
Biozol Catalog Number	BYT-ORB782355
Supplier Catalog Number	orb782355
Alternative Catalog Number	BYT-ORB782355-48, BYT-ORB782355-96
Manufacturer	Biorbyt
Category	Kits/Assays
Application	ELISA
Species Reactivity	Human
Product 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)....
Concentration	80 ng/mL
Range	1.25-80 ng/mL
Sensitivity	0.53 ng/mL
UniProt	P35247
Samples	serum, plasma, tissue homogenates, cell lysates, lung lavage fluid, cell culture supernates and other biological fluids

Application Notes

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