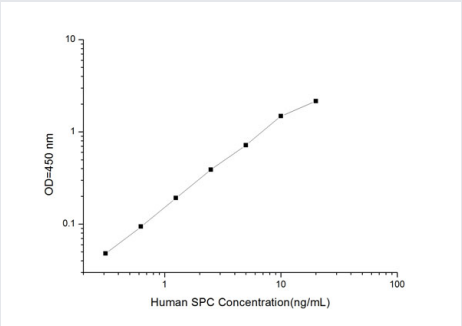
SPC ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	SPC, ELISA Kit
Full Product Name	Human SPC (Pulmonary Surfactant Associated Protein C) ELISA Kit
Product Gene Name	SPC elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Specificity	This kit recognizes Human SPC in samples. No significant cross-reactivity or interference between Human SPC and analogues was observed.
Preparation and Storage	Store at 4 degree C.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human SPC were tested on 3 different plates, 20 replicates in each plate.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human SPC were tested 20 times on one plate, respectively.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SPC elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human SPC. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human SPC 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 Human SPC, 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 nm ± 2 nm. The OD value is proportional to the concentration of Human SPC. You can calculate the concentration of Human SPC in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human SPC concentrations in serum, plasma and other biological fluids.
Other Notes	Small volumes of SPC elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SPC purchase	MBS2514723 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the SPC, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SPC. The ELISA analytical biochemical technique of the MBS2514723 kit is based on SPC antibody-SPC antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SPC antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SPC. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of SPC elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPC. It may not necessarily be applicable to this product.

NCBI GI #	574959952
NCBI Accession #	AHG54657.1
NCBI Official Full Name	Spc
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