

Human SPD ELISA Kit | SPD elisa kit

Human SPD (Pulmonary Surfactant Associated Protein D) ELISA Kit

CATALOG #
AAA164046

REACTIVITY
Human

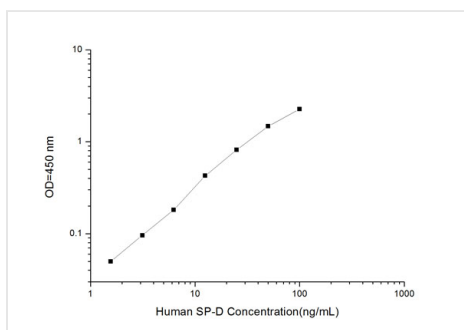
PRODUCT SYNONYMS

SPD; Human SPD (Pulmonary Surfactant Associated Protein D) ELISA Kit; SPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human SP-D in samples. No significant cross-reactivity or interference between Human SP-D and analogues was observed.
Sequence Length	365
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.94ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human SP-D were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human SP-D were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SPD elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human SP-D concentrations in serum, plasma and other biological fluids. 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 SP-D. 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 SP-D 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 SP-D, 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 SP-D. You can calculate the concentration of Human SP-D in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	282162663
NCBI GeneID	8680170
NCBI Accession #	YP_003358133.1
NCBI GenBank Nucleotide #	NC_013667.2
Molecular Weight	40,924 Da
NCBI Official Full Name	Spd
NCBI Official Symbol	pWTY27_6
NCBI Protein Information	Spd
UniProt Protein Name	Spd
UniProt Gene Name	pWTY27_6
UniProt Entry Name	D2KKW1_9ACTO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.