abcam

Product datasheet

Human Protein S ELISA Kit ab125969

1 References 画像数 1

製品の概要

製品名 Human Protein S ELISA Kit

検出方法 Colorimetric

再現性

Intra-Assay（同時再現性）

サンプル	N	平均値	SD	CV%
Overall				5.9%

Inter-Assay（日差再現性）

サンプル	N	平均値	SD	CV%
Overall				10.4%

サンプルの種類 Cell culture supernatant, Serum, Plasma, Tissue, Cell Lysate

アッセイタイプ Competitive

検出感度 0.22 µg/ml

検出範囲 0.25 µg/ml - 8 µg/ml

添加回収試験 97 %

全工程の試験時間 4h 00m

ステップ Multiple steps standard assay

種交差性 **交差種:** Human

製品の概要 Abcam's Protein S Human *in vitro* competitive ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the quantitative measurement of Human protein S in plasma, serum, cell culture supernatants cell lysate and tissue samples.

A Protein S specific antibody has been precoated onto 96-well plates and blocked. Standards or test samples are added to the wells and subsequently biotinylated Protein S is added and then followed by washing with wash buffer. Streptavidin-Peroxidase Complex is added and unbound conjugates are washed away with wash buffer. TMB is then used to visualize Streptavidin-Peroxidase enzymatic reaction. TMB is catalyzed by Streptavidin-Peroxidase to produce a blue color product that changes into yellow after adding acidic stop solution. The density of yellow coloration is inversely proportional to the amount of Protein S captured in plate.

	The entire kit may be stored at -20°C for long term storage before reconstitution - Avoid repeated freeze-thaw cycles.
試験プラットフォーム	Microplate

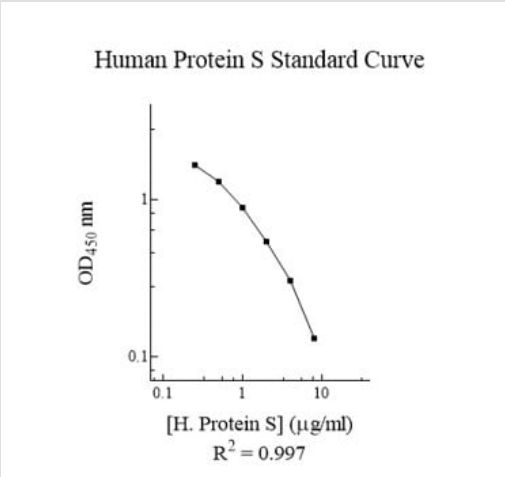
製品の特性

保存方法	Store at -20°C. Please refer to protocols.

内容	**1 x 96 tests**
100X Streptavidin-Peroxidase Conjugate	1 x 80µl
10X Diluent N Concentrate	1 x 30ml
1X Biotinylated Human Protein S (Lyophilized)	1 vial
20X Wash Buffer Concentrate	1 x 30ml
Chromogen Substrate	1 x 7ml
Protein S Microplate (12 x 8 well strips)	1 unit
Protein S Standard	1 vial
Sealing Tapes	3 units
Stop Solution	1 x 11ml

機能	Anticoagulant plasma protein; it is a cofactor to activated protein C in the degradation of coagulation factors Va and VIIIa. It helps to prevent coagulation and stimulating fibrinolysis.
組織特異性	Plasma.
関連疾患	Defects in PROS1 are the cause of protein S deficiency (PROS1D) [MIM:612336]; also known as thrombophilia due to protein S deficiency. PROS1D is a cause of hereditary thrombophilia, a hemostatic disorder characterized by impaired regulation of blood coagulation and a tendency to recurrent venous thrombosis. However, many adults with heterozygous disease may be asymptomatic. Based on the plasma levels of total and free PROS1 antigen as well as the serine protease-activated protein C cofactor activity, three types of PROS1D have been described: type I, characterized by reduced total and free PROS1 antigen levels together with reduced anticoagulant activity; type III, in which only free PROS1 antigen and PROS1 activity levels are reduced; and the rare type II which is characterized by normal concentrations of both total and free PROS1 antigen, but low cofactor activity.
配列類似性	Contains 4 EGF-like domains. Contains 1 Gla (gamma-carboxy-glutamate) domain. Contains 2 laminin G-like domains.
翻訳後修飾	The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.
細胞内局在	Secreted.

画像



Typical Standard Curve

Representative Standard Curve using ab125969

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