

PSG1 elisa kit

Human PSG1 PicoKine ELISA Kit

CATALOG #
AAA125120

REACTIVITY
HumanThere is no detectable cross-reactivity with other relevant proteins.

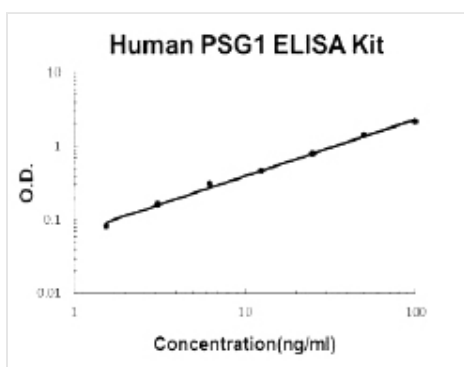
PRODUCT SYNONYMS

PSG1; Human PSG1 PicoKine ELISA Kit; Human PSG1; Pregnancy-specific beta-1-glycoprotein 1; PS-beta-G-1; PSBG-1; Pregnancy-specific glycoprotein 1; CD66 antigen-like family member F; Fetal liver non-specific cross-reactive antigen 1/2; FL-NCA-1/2; PSG95; Pregnancy-specific beta-1 glycoprotein C/D; PS-beta-C/D; CD66f; B1G1; PSBG; PSGGA; Pregnancy specific beta-1-glycoprotein 1; PSG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human PROS1
Sequence Length	428
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta, Citrate)
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	<1ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSG1 elisa kit	Principle of the Assay: The Picokine Human PROS1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human PROS1 with a 96-well strip plate that is pre-coated with antibody specific for PROS1. The detection antibody is a biotinylated antibody specific for PROS1. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human PROS1 with immunogen: Expression system for standard: NSO, Immunogen sequence: A42-S676. The kit is analytically validated with ready to use reagents. To measure Human PROS1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human PROS1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human PROS1 in the sample!!Background/Introduction: This PROS1 gene encodes a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. This gene is mapped to 3q11.1. It is found in plasma in both a free, functionally active form and also in an inactive form complexed with C4bbinding protein. Mutations in this gene result in autosomal dominant hereditary thrombophilia. An inactive pseudogene of this locus is located at an adjacent region on chromosome 3. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296317345
NCBI GeneID	5669
NCBI Accession #	NP_001171754.1
NCBI GenBank Nucleotide #	NM_001184825.1
UniProt Accession #	P11464; O75236; P11462; P11463; Q15231; Q15241; Q15243; Q16660; Q6ICR4; Q9P1W5; Q9UQ79
Molecular Weight	48,140 Da
NCBI Official Full Name	pregnancy-specific beta-1-glycoprotein 1 isoform 2
NCBI Official Synonym Full Names	pregnancy specific beta-1-glycoprotein 1
NCBI Official Symbol	PSG1
NCBI Official Synonym Symbols	SP1; B1G1; PBG1; CD66f; PSBG1; PSG95; PSGGA; DHFRP2; PSBG-1; PSGIIA; FL-NCA-1/2; PS-beta-C/D; PS-beta-G-1
NCBI Protein Information	pregnancy-specific beta-1-glycoprotein 1
UniProt Protein Name	Pregnancy-specific beta-1-glycoprotein 1
UniProt Gene Name	PSG1
UniProt Synonym Gene Names	B1G1; PSBG1; PSGGA; PS-beta-G-1; PSBG-1; Pregnancy-specific glycoprotein 1; FL-NCA-1/2; PS-beta-C/D

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.