

Human Pregnancy Specific beta1 Glycoprotein (SP1/PSbeta1-G) ELISA Kit | SP1/PSbeta1-G elisa kit

Human Pregnancy Specific beta1 Glycoprotein, SP1/PSbeta1-G ELISA Kit

CATALOG #

AAA80197

REACTIVITY

Human

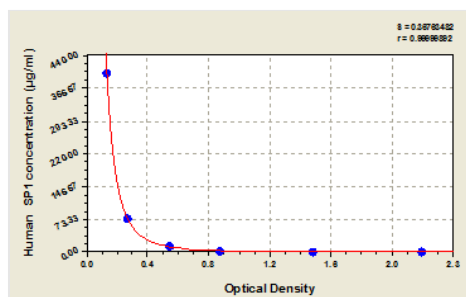
PRODUCT SYNONYMS

Pregnancy Specific beta1 Glycoprotein (SP1/PSbeta1-G); Human Pregnancy Specific beta1 Glycoprotein; SP1/PSbeta1-G ELISA Kit; Human Pregnancy Specific beta1 Glycoprotein (SP1/PSbeta1-G) ELISA kit; B1G1; CD66f; DHFRP2; FLJ90598; FLJ90654; PBG1; PSBG1; PSGGA; PSGIIA; SP1; pregnancy-specific B-1 glycoprotein; SP1/PSbeta1-G elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human SP1/PSbeta1-G. No significant cross-reactivity or interference between Human SP1/PSbeta1-G and analogues was observed.
Sequence Length	419
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	1.0 ug/ml-400 ug/ml
Sensitivity	1.0 ug/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SP1/PSbeta1-G elisa kit	Introduction: Human pregnancy-specific beta-1 glycoproteins (SP1) are a group of closely related placental glycoproteins and members of the immunoglobulin superfamily. These proteins can be produced in human intestinal tissue, T lymphocytes and male reproductive tract. However, they are mainly synthesized in the syncytiotrophoblast of placenta and secreted into the maternal circulation in increasing amounts as gestation progresses. In males and non-pregnant females, circulating levels of the protein are less than 3 ug/ml. SP1 levels have been suggested to correlate with certain obstetrical complications. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific for SP1 antibody has been pre-coated onto a microplate. A competitive inhibition reaction is launched between HRP labeled SP1 and unlabeled SP1 (Standards or samples) with the antibody specific for SP1. The substrate solutions are added to the wells, respectively. And the color develops in opposite to the amount of SP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	47,223 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; CD66 antigen-like family member F; pregnancy-specific B-1 glycoprotein; pregnancy-specific beta-1 glycoprotein C/D; fetal liver non-specific cross-reactive antigen 1/2
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
UniProt Entry Name	PSG1_HUMAN

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.