

Human Pregnancy Specific beta1 Glycoprotein 1 ELISA Kit | PSG1 elisa kit

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CATALOG #
AAA82295

REACTIVITY
Human

PRODUCT SYNONYMS

Pregnancy Specific beta1 Glycoprotein 1; Human Pregnancy Specific beta1 Glycoprotein 1 ELISA Kit; Human Pregnancy Specific b1 Glycoprotein 1 ELISA Kit; PSG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PSG1. No significant cross-reactivity or interference between PSG1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PSG1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSG1 elisa kit

Intended Uses: This PSG1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PSG1. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: PSG1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PSG1 antibody and an PSG1-HRP conjugate. The assay sample and buffer are incubated together with PSG1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PSG1 concentration since PSG1 from samples and PSG1-HRP conjugate compete for the anti-PSG1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PSG1 from the sample, fewer sites are left to bind PSG1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSG1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

21361392

NCBI GeneID	5669
NCBI Accession #	NP_008836.2
NCBI GenBank Nucleotide #	NM_006905.2
Molecular Weight	47,866 Da
NCBI Official Full Name	pregnancy-specific beta-1-glycoprotein 1 isoform 1
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.

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Online datasheet: <https://stage.aaabiotech.com/psg1-human-elisa-kits/pregnancy-specific-beta1-glycoprotein-1/82295>