

Human Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2) ELISA Kit | PSG2 elisa kit

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CATALOG #
AAA187282

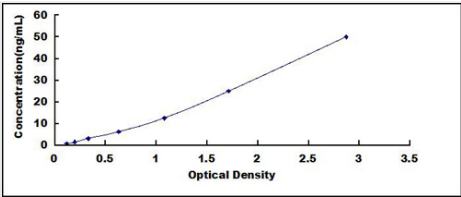
REACTIVITY
Human

PRODUCT SYNONYMS

Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2); Human Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2) ELISA Kit; CEA; PSG1; PSBG2; PSGGB; Carcinoembryonic Antigen SG8; Pregnancy-specific glycoprotein 2; Pregnancy-specific beta-1 glycoprotein E; PSG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2). No significant cross-reactivity or interference between Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2) and analogues was observed.
Sequence Length	335
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Breast Milk, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.78 -50ng/mL
Sensitivity	< 0.34ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSG2 elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Pregnancy Specific Beta-1-Glycoprotein 2 (PSG2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156616282
NCBI GeneID	5670
NCBI Accession #	NP_112536.2
NCBI GenBank Nucleotide #	NM_031246.3
UniProt Accession #	P11465; Q8TCD9; Q9UEA4; Q9UQ78
Molecular Weight	37,216 Da
NCBI Official Full Name	pregnancy-specific beta-1-glycoprotein 2
NCBI Official Synonym Full Names	pregnancy specific beta-1-glycoprotein 2
NCBI Official Symbol	PSG2
NCBI Official Synonym Symbols	CEA; PSG1; PSBG2
NCBI Protein Information	pregnancy-specific beta-1-glycoprotein 2
UniProt Protein Name	Pregnancy-specific beta-1-glycoprotein 2
UniProt Gene Name	PSG2
UniProt Synonym Gene Names	PSBG2; PS-beta-G-2; PSBG-2; Pregnancy-specific glycoprotein 2; PS-beta-E

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.