

**PSG4 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19028a****Specification**

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**PSG4 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q00888](#)**PSG4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 5672**Other Names**

Pregnancy-specific beta-1-glycoprotein 4, PS-beta-G-4, PSBG-4, Pregnancy-specific glycoprotein 4, Pregnancy-specific beta-1-glycoprotein 9, PS-beta-G-9, PSBG-9, Pregnancy-specific glycoprotein 9, PSG4, CGM4, PSG9

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PSG4 Antibody (N-term) Blocking Peptide - Protein Information****Name** PSG4**Synonyms** CGM4, PSG9**Cellular Location**

Secreted.

**PSG4 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**PSG4 Antibody (N-term) Blocking Peptide - Images****PSG4 Antibody (N-term) Blocking Peptide - Background**

The human pregnancy-specific glycoproteins (PSGs) are a family of proteins that are synthesized in

large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. Molecular cloning and analysis of several PSG genes has indicated that the PSGs form a subgroup of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily of genes. Members of the CEA family consist of a single N domain, with structural similarity to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constant-like A and/or B domains. Most PSGs have an arg-gly-aspartic (RGD) motif, which has been shown to function as an adhesion recognition signal for several integrins, in the N-terminal domain (summary by Teglund et al., 1994 [PubMed 7851896]). For additional general information about the PSG gene family, see PSG1 (MIM 176390).

#### **PSG4 Antibody (N-term) Blocking Peptide - References**

Kimoto, Y. Mol. Gen. Genet. 258(3):233-239(1998) Teglund, S., et al. Biochem. Biophys. Res. Commun. 211(2):656-664(1995) Teglund, S., et al. Genomics 23(3):669-684(1994) Olsen, A., et al. Genomics 23(3):659-668(1994) Chan, W.Y., et al. Mol. Cell. Biochem. 106(2):161-170(1991)