

PSG9 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17302c**Specification**

PSG9 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q00887](#)**PSG9 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5678**Other Names**

Pregnancy-specific beta-1-glycoprotein 9, PS-beta-G-9, PSBG-9, Pregnancy-specific glycoprotein 9, PS34, Pregnancy-specific beta-1 glycoprotein B, PS-beta-B, Pregnancy-specific beta-1-glycoprotein 11, PS-beta-G-11, PSBG-11, Pregnancy-specific glycoprotein 11, Pregnancy-specific glycoprotein 7, PSG7, PSG9, PSG11

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.

PSG9 Antibody (Center) Blocking Peptide - Protein Information**Name** PSG9**Synonyms** PSG11**Function**

Binds to the small latent transforming growth factor-beta complex, consisting of the N-terminal TGFB1 latency-associated peptide (LAP) and the mature form of TGFB1, thereby leading to the activation of TGFB1 (PubMed: [27389696](http://www.uniprot.org/citations/27389696)). The activation of TGFB1 leads to stimulation of naive CD4(+) T-cells to increase FoxP3 expression and to an increase in the number of FoxP3(+) regulatory T-cells (PubMed: [27389696](http://www.uniprot.org/citations/27389696)). Induces the differentiation of a suppressive CD4(+)LAP(+)FoxP3(-) T-cell subset (PubMed: [27389696](http://www.uniprot.org/citations/27389696)). Induces the secretion of TGFB1 in macrophages, but not in activated CD4(+) T-cells (PubMed: [27389696](http://www.uniprot.org/citations/27389696)). May reduce the expression of several pro- inflammatory cytokines and chemokines by CD4(+) T-cells, including IL2 and IL6 (PubMed: [27389696](http://www.uniprot.org/citations/27389696))

target="_blank">27389696).

Cellular Location
Secreted.

PSG9 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PSG9 Antibody (Center) Blocking Peptide - Images

PSG9 Antibody (Center) Blocking Peptide - Background

The human pregnancy-specific glycoproteins (PSGs) are a group of molecules that are mainly produced by the placental syncytiotrophoblasts during pregnancy. PSGs comprise a subgroup of the carcinoembryonic antigen (CEA) family, which belongs to the immunoglobulin superfamily. For additional general information about the PSG gene family, see PSG1 (MIM 176390). [supplied by OMIM].

PSG9 Antibody (Center) Blocking Peptide - References

Stelzl, U., et al. Cell 122(6):957-968(2005) Salahshor, S., et al. BMC Cancer 5, 66 (2005) :Colland, F., et al. Genome Res. 14(7):1324-1332(2004) Grimwood, J., et al. Nature 428(6982):529-535(2004) Olsen, A., et al. Genomics 23(3):659-668(1994)