



# PSG9 mouse mAb

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| <b>Catalog No</b>                  | YP-mAb-11777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>                   | PSG9 PSG11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>                   | Synthesized peptide derived from human PSG9 AA range: 340-390                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>                 | This antibody detects endogenous levels of PSG9 at Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>                      | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Dilution</b>                    | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>                    | pregnancy specific beta 1 glycoprotein (PSG);pregnancy specific beta 1 glycoprotein 11;pregnancy specific beta 1 glycoprotein 9;pregnancy specific beta 1 glycoprotein B;Pregnancy-specific beta-1 glycoprotein B;Pregnancy-specific beta-1-glycoprotein 11;Pregnancy-specific beta-1-glycoprotein 9; Pregnancy-specific glycoprotein 11;Pregnancy-specific glycoprotein 7; Pregnancy-specific glycoprotein 9;PS beta B;PS-beta-B;PS-beta-G-11;PS-beta-G-9;PS34;PSBG 9;PSBG-11;PSBG-9;PSG 9;PSG11;PSG7;PSG9; PSG9_HUMAN;PSGII;PSG9 PSG11 |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Calculated Molecular Weight</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cell Pathway</b>                | Secreted .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>                    | developmental stage:PSBG are produced in high quantity during pregnancy., similarity:Belongs to the immunoglobulin superfamily. CEA family., similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain., similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,                                                                                                                                                                                                                                                   |



## Background

The protein encoded by this gene is a member of the pregnancy-specific glycoprotein (PSG) family. This protein family and the closely related carcinoembryonic antigen cell adhesion molecule (CEACAM) gene family are both members of the immunoglobulin superfamily, and are organized as a large gene cluster. This protein is thought to inhibit platelet-fibrinogen interactions. Several studies suggest that reduced serum concentrations of PSGs are associated with fetal growth restrictions, while up-regulation of this gene has been observed in colorectal cancers. Several pseudogenes of this gene are found on chromosome 19. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Sep 2014],

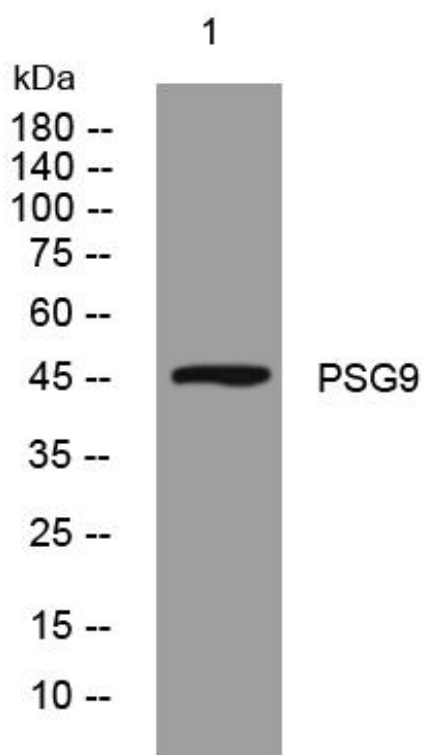
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using PSG9 mouse mAb