



Anti-PSG4 monoclonal antibody (DCABH-16548)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description 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-asp (RGD) motif, which has been shown to function as an adhesion recognition signal for several integrins, in the N-terminal domain.

Immunogen	A synthetic peptide of human PSG4 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Size	1 ea
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PSG4 pregnancy specific beta-1-glycoprotein 4 [Homo sapiens]
Official Symbol	PSG4
Synonyms	PSG4; pregnancy specific beta-1-glycoprotein 4; pregnancy-specific beta-1-glycoprotein 4;

pregnancy specific beta 1 glycoprotein 4; PSBG-4; PSBG-9; PS-beta-G-4; PS-beta-G-9;
pregnancy-specific glycoprotein 4; pregnancy-specific glycoprotein 9; Pregnancy-specific beta-1-
glycoprotein-4; pregnancy-specific beta-1-glycoprotein 9; PSG9;

Entrez Gene ID	5672
Protein Refseq	NP_002771
UniProt ID	B3KQL2
Chromosome Location	19q13.2
