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PGF Mouse Anti-Human PIGF Clone 178/G10 mAb

Catalog No.	CMP110	Quantity:	100 µg
Alternate Names:	Placental growth factor, PIGF		
Description:	Monoclonals were produced of PIGF2 (produced in Insect ce (Clone #178/G10) from hybrid G Chromatography. Placenta growth factor (PIGF) that share a conserved patter three human mature PIGF for amino acids (aa) respectively insert at the C-terminus. In th PIGF2 has been identified. He with the appropriate isoform of found as variably glycosylated Mammalian cells expressing erythroblasts, keratinocytes a during pregnancy, reaching a preeclampsia. However, dele reproduction. Postnatally, mid ischemia. PIGF binds and sig while VEGF binds both but sig and VEGF therefore compete VEGF/VEGF R1 binding and PIGF (especially PIGF1) and angiogenic effect of VEGF on heparindependent binding of activation, migration, and pro- activities facilitate wound and active sickle cell disease and	with the help of BALB/c mid lls) as the immunizing antig domas was purified from ce) is a member of the PDGF n of eight cysteines. Altern ms containing 131 (PIGF1) . Only PIGF2 contains a hig e mouse, only one P IGF the uman PIGF1 shares 56%, so of mouse, rat, canine and ed d, secreted, 55 - 60 kDa dis PIGF include villous tropho nd some endothelial cells. peak in mid-gestation; this tion of PIGF in the mouse of the lacking PIGF show impain nals through VEGF R1/FIT gnals only through the ang for binding to VEGF R1, a promote VEGF/VEGF R2n some forms of VEGF can for VEGF R2. PIGF2, but not neuropilin (Npn)-1 and Npr duction of inflammatory cyth bone fracture healing, but atherosclerosis.	ce using Recombinant Human gen. Mouse IgG1 antibody all culture supernatant by Protein 7/VEGF family of growth factors ate splicing results in at least 0, 152 (PIGF2), and 203 (PIGF3) ghly basic heparinbinding 21 aa nat is the equivalent of human 55%, 74% and 95% aa identity equine PIGF. PIGF is mainly sulfide linked homodimers. blasts, decidual cells, Circulating PIGF increases is increase is attenuated in does not affect development or ired angiogenesis in response to 1, but not VEGF R2/FIk-1/KDR, iogenic receptor, VEGF R2. PIGF illowing high PIGF to discourage nediated angiogenesis. However, form dimers that decrease the PLGF-1, shows n2. PIGF induces monocyte tokines and VEGF. These also contribute to inflammation in
Gene ID:	5281		
Specificity:	Recognizes Recombinant Hu	man PIGF and PIGF-2	
Host:	Mouse		
Immunogen:	Recombinant Human PIGF-2		
Isotype:	lgG1		



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Formulation:	Lyophilized from PBS, pH 7.4. No preservatives and carrier-free.		
Purification:	Protein G chromatography		
Reconstitution:	Centrifuge vial prior to opening . Add sterile distilled water to the vial to fully solubilize the antibody to a concentration of 1.0 mg/ml.		
Applications:	ELISA: Use at 1-2 μg/ml Western Blot: Use at 1-2 μg/ml (reducing and non-reducing) IP: Use at 1-2 μg/ml		
Application Notes:	The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Lyophilized product is stable at room temperature, but best stored desiccated below 0°C. Reconstituted antibody is stable at 2-4°C for >6 months or in working aliquots at -20°C for 1 year. Avoid repeated freeze-thaw cycles.		

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