
Mouse PLGF-2 ELISA Kit

产品编号: bsk12041

种属: Mouse

线性范围: 15.60-1000 pg/mL

应用范围: S/P/CC

检测限: 7 pg/mL

适用样品基质: cell culture supernates, serum, and plasma.

保存条件: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.).

产品介绍: Placental growth factor (PGF) is a member of the VEGF (vascular endothelial growth factor) sub-family - a key molecule in angiogenesis and vasculogenesis, in particular during embryogenesis. The main source of PGF during pregnancy is the placental trophoblast. PGF is also expressed in many other tissues, including the villous trophoblast. Placental growth factor-expression within human atherosclerotic lesions is associated with plaque inflammation and neovascular growth. Serum levels of PGF and sFlt-1 (soluble fms-like tyrosine kinase-1, also known as soluble VEGF receptor-1) are altered in women with preeclampsia. Studies show that in both early and late onset preeclampsia, maternal serum levels of sFlt-1 are higher and PGF lower in women presenting with preeclampsia. In addition, placental sFlt-1 levels were significantly increased and PGF decreased in women with preeclampsia as compared to those with uncomplicated pregnancies. This suggests that placental concentrations of sFlt-1 and PGF mirror the maternal serum changes. This is consistent with the view that the placenta is the main source of sFlt-1 and PGF during pregnancy.