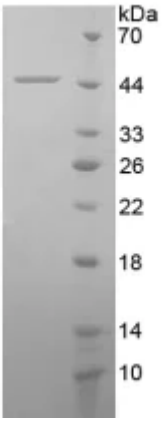
Active Platelet Derived Growth Factor D (PDGFD)

Catalog#:PXH12882

概述（Summary）

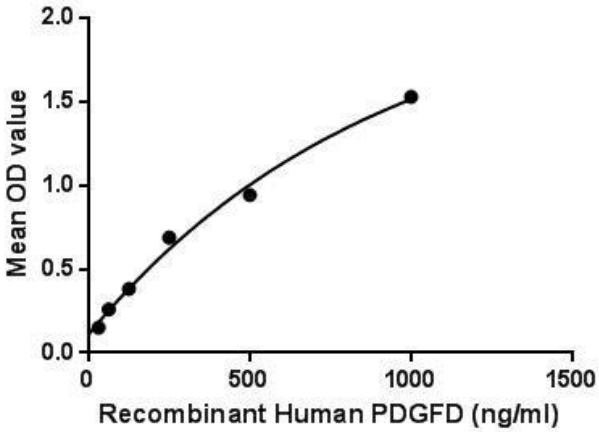
别称（Alternative Names）	PDGF-D; IEGF; SCDGF-B; Spinal Cord Derived Growth Factor B; Iris-expressed growth factor; Platelet-derived growth factor D, receptor-binding form/latent form
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Arg19-Arg370】
Accession #	Q9GZP0
表达宿主（Host）	-
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	44.4 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Plays an important role in wound healing. Induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. Can initiate events that lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）



Platelet-derived growth factor D (PDGFD) is a protein that in humans is encoded by the PDGFD gene. The protein encoded by this gene is a member of the platelet-derived growth factor family. PDGF plays a significant role in blood vessel formation, the growth of blood vessels from already-existing blood vessel tissue, mitogenesis. PDGF also plays a role in embryonic development, cell proliferation, cell migration, and angiogenesis. Besides, Macrophage Erythroblast Attacher (MAEA) has been identified as an interactor of PDGFD, thus a binding ELISA assay was conducted to detect the interaction of recombinant human PDGFD and recombinant human MAEA. Briefly, PDGFD were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100µL were then transferred to MAEA-coated microtiter wells and incubated for 2h at 37℃. Wells were washed with PBST and incubated for 1h with anti-PDGFD pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of PDGFD and MAEA was shown in Figure 1, and this effect was in a dose dependent manner. Figure. The binding activity of PDGFD with MAEA. Figure. Western Blot

注意事项（Note）

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