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PDGFR (22B1) Anti-Human Mouse IgG MoAb

单克隆抗体

产品货号: MA01662

第三版

免疫原: Recombinant protein of extracellular domain of human PDGFR

亚型: IgG1

克隆: 22B1

描述: PDGF, a ligand of PDGFR, has 4 isoforms, A-, B-, C- and D-chains, and forms hetero and/or homo dimers, PDGF-AA, -AB, -BB, -CC, -DD. On the other hand, PDGFR has 2 isoforms, α - and β -chains and forms hetero and/or homo dimers, PDGFR- $\alpha\alpha$, $\alpha\beta$ and $\beta\beta$. PDGF-A and PDGF-C binds specifically to PDGFR- α , PDGF-B binds to PDGFR- α and PDGFR- β , and PDGF-D binds specifically to PDGFR- β . In other words, PDGF-AA and PDGF-CC can activate only PDGFR- $\alpha\alpha$, while PDGF-AB can activate PDGFR- $\alpha\alpha$ and PDGFR- $\alpha\beta$, and PDGF-BB can activate PDGFR- $\alpha\alpha$, $\alpha\beta$ and $\beta\beta$. While, PDGF-DD has been reported to be able to activate PDGFR- $\alpha\alpha$ as well as PDGFR- $\alpha\beta$. When the receptor is dimerized, tyrosine kinase activity in the intracellular region increases and auto-phosphorylation of the tyrosine residue takes place. This monoclonal antibody recognizes PDGFR by W.B. and I.P. applications and it enables FACS analysis of PDGFR-expressing cells. It has been confirmed that the addition of this antibody does not induce ligand-binding-dependent phosphorylation of PDGFR and it may be used as a neutralizing antibody.

配方: Lyophilized product from 1 % BSA in PBS containing 0.05 % NaN₃

浓度:

保存: +4 °C 保存 (1-2 周). 长期保存在 -20 °C 或者 -70 °C. 避免反复冻融.

应用: ELISA, WB, ICC/IF