Platelet endothelial cell adhesion molecule PECAM-1

Published date: Aug. 16, 2012

Technology description

PECAM-1 plays a role in adhesion and signaling in platelets, leukocytes and endothelial cells, and regulates thrombosis, cell survival, and cellular responses to septic shock. The human platelet plasma membrane contains several hundred different proteins that control crucial functions, including adhesion to extracellular matrix, signal transduction, platelet aggregation, and clot retraction. Central to the ability of platelets to adhere to each other and to extracellular matrix is an abundant supply of cell surface adhesion molecules, including members of the integrin family, that exist in varying states of activation. These cell adhesion receptors, in turn, transmit signals into, and respond to signals from, the cell interior. Pharmaceutical applications especially in the field of inflammation. ΓÇ£PECAM-1 (CD31) cloning and relation to adhesion molecules of the immunoglobulin gene superfamily.ΓÇØ Science.

Application area

Covers PECAM-1 sequence, production of PECAM-1 isoforms and fragments, anti-sense constructs, therapeutic uses of PECAM, variants and oligonucleotide probes to PECAM-1.

Advantages

Broad patent coverage includes testing methods, angiogenesis applications, and inflammatory processes.

Institution

BloodCenter of Wisconsin

Inventors

Peter Newman

联系我们

叶先生

电 话：021-65679356

手 机：13414935137

邮 箱：yeyingsheng@zf-ym.com