ABSTRACT

INHIBITORY IMMUNOGLOBULIN POLYPEPTIDES TO HUMAN PDGF BETA RECEPTOR

The present invention is directed towards immunoglobulin polypeptides that specifically bind to the extracellular domain of the human type beta PDGF receptor. The binding of the immunoglobulin polypeptides to the receptor inhibits PDGF-induced (or stimulated) receptor activation as indicated by inhibition of receptor phosphorylation and dimerisation, and by inhibition of PDGF-mediated mitogenesis, chemotaxis and migration of cells displaying the human PDGF type beta receptor on the cell surface. Nucleic acids encoding the immunoglobulin polypeptides are also included in the invention. The immunoglobulin polypeptides have diagnostic and therapeutic uses.

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