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(54) Title: TIE-2 RECEPTOR LIGANDS (TIE LIGAND-3; TIE LIGAND-4) AND THEIR USES

(57) Abstract

The present invention provides for an isolated nucleic acid molecule encoding a member of the TIE ligand family. The present invention also provides for an isolated nucleic acid molecule encoding TIE ligand-3 or TIE ligand-4. In addition, the invention provides for a receptor body which specifically binds TIE ligand-3 or TIE ligand-4. The invention also provides an antibody which specifically binds TIE ligand-3 or TIE ligand-4. The invention further provides for an antagonist of TIE. The invention also provides for therapeutic compositions as well as a method of blocking blood vessel growth, a method of promoting neovascularization, a method of promoting the growth or differentiation of a cell expressing the TIE receptor, a method of blocking the growth or differentiation of a cell expressing the TIE receptor and a method of attenuating or preventing tumor growth in a human.

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