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# Angiopoietin-2-specific Fusion Protein PF-04856884

National Cancer Institute

## Source

National Cancer Institute. *Angiopoietin-2-specific Fusion Protein PF-04856884*. NCI Thesaurus. Code C116625.

A humanized monoclonal antibody fused to two peptides that bind to angiopoietin 2 (Ang2; ANGPT2), with potential anti-angiogenic and antineoplastic activities. Upon intravenous administration, Ang2-targeting PF-04856884 CovX body specifically binds to Ang2 and prevents the binding of Ang2 to its receptor Tie2 expressed on endothelial cells. This inhibits Tie2-mediated signaling, prevents angiogenesis and inhibits tumor cell proliferation. Ang2, a proangiogenic cytokine and ligand for the Tie2 receptor, plays a key role in the regulation of tumor angiogenesis and tumor cell proliferation; its expression is upregulated by tumor endothelial cells.