

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ANGPT4 Peptide

Cat No.: BS60368P

Background

Angiopoietin-1 (Ang-1) is a secreted ligand for Tie-2, a cell surface receptor tyrosine kinase expressed in endothelial and hemopoietic cells. Ang-1 is an angiogenic factor that mediates blood vessel maturation and may be involved in endothelial development. A related protein, angiopoietin-2 (Ang-2), is a naturally occurring antagonist of Ang-1 activation of Tie-2. In adult tissue, Ang-2 expression is restricted to sites of vascular remodeling. Ang-3 and Ang-4 represent the mouse and human counterparts of the same gene locus. The structural divergence of Ang-3 and Ang-4 cause their divergent functions. Ang-3 and Ang-4 have very different distributions in their respective species, and Ang-3 appears to act as an antagonist while Ang-4 appears to function as an agonist. Ang-3 and Ang-4 share all the main structural characteristics of Ang-1 and Ang-2 and are homologous throughout the signal peptide, N-terminal region, coiled-coil segment and Fibrinogen-like domain.

Swiss-Prot

Q9Y264

Applications

Blocking

Specificity

This peptide can be used with studies using BS60368 ANGPT4 pAb.

Purification & Purity

Synthetic peptide ANGPT4. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.