



## Product Data Sheet

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**Cat#:** AP-337-U  
**Cat#:** AP-337-B, Biotin labeled  
**Cat#:** AP-337-F, FITC labeled

**Product Description:** VEGF-KDR

**Aptamer Type:** Peptide

**Sequence:** ATWLPPR; 7-mer

**Size** 5 mg

**Mol. Wt:** 886.11 g/mole

**Purity:** >95%

**Affinity:** ~80  $\mu$ M (reported value)

**Comments:** Reduces VEGF-induced angiogenesis and blocks VEGF-KDR interaction.

**Notes:** This peptide completely abolished VEGF binding to cell-displayed KDR. In vitro, this effect led to the inhibition of the VEGF-mediated proliferation of human vascular endothelial cells, in a dose-dependent and endothelial cell type-specific manner. In vivo, ATWLPPR totally abolished VEGF-induced angiogenesis in a rabbit corneal model.

**References:** Binetruy-Tournaire et al. "Identification of a peptide blocking vascular endothelial growth factor (VEGF)-mediated angiogenesis." The EMBO Journal, 19(2000): 1525-1533.

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