

Product Data Sheet

Cat#: AP-325-U
Cat#: AP-325-B, Biotin labeled
Cat#: AP-325-F, FITC labeled

Product Description: Mouse Skin Vasculature

Aptamer Type: Peptide

Sequence: CVALCREACGEGC; 13-mer

Size 5 mg

Mol. Wt: 1313.59 g/mole

Purity: >95%

Affinity: n/a

Comments: The phage displaying this peptide showed 7-fold homing relative to control phage. See also the peptides targeting mouse pancreas vasculature, mouse retina and mouse lung vasculature.

Notes: The enrichment in homing to the target organs relative to an unselected phage was 3-35-fold. Peptide sequences that conferred selective phage homing to the vasculature of lung, skin, and pancreas were characterized in detail. Immunohistochemistry showed that the phage localized in the blood vessels of their target organ. When tested, the phage homing was blocked in the presence of the cognate peptide

References: Rajotte et al. "Molecular Heterogeneity of the Vascular Endothelium Revealed by In Vivo Phage Display." Journal of Clinical Investigations, 102(1998): 430-437.

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