ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat#: AP-333-U
Cat#: AP-333-B, Biotin labeled
Cat#: AP-333-F, FITC labeled

Product Description: VCAM-1

Aptamer Type: Peptide

Sequence: CVHSPNKKC; 9-mer

Size 5 mg

Mol. Wt: 1097.39 g/mole

Purity: >95%

Affinity: n/a

Comments: n/a

Notes: Specific sequence, containing the VHSPNKK motif that has homology to the alpha-chain of very late antigen (a known ligand for VCAM-1), was shown to bind VCAM-1 and block leukocyte-endothelial interactions. Compared with VCAM-1 monoclonal antibody, the peptide showed 12-fold higher target-to-background ratios.

References: Kelly et al. "Detection of Vascular Adhesion Molecule-1 Expression Using a Novel Multimodal Nanoparticle." Journal of the American Heart Association, 96(2005): 327-33.

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