ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat#: AP-318-U
Cat#: AP-318-B, Biotin labeled
Cat#: AP-318-F, FITC labeled

Product Description: Renal Tissue (Glomerulus and Intertubular tissue)

Aptamer Type: Peptide

Sequence: CLPVASC; 7-mer

Size 1 mg

Mol. Wt: 737.99 g/mole

Purity: >95%

Affinity: n/a

Comments: n/a

Notes: Peptides capable of mediating selective localization of phage to brain and kidney blood vessels were identified, and showed up to 13-fold selectivity for these organs. One of the peptides displayed by the brain-localizing phage was synthesized and shown to specifically inhibit the localization of the homologous phage into the brain. When coated onto glutaraldehyde-fixed red blood cells, the peptide caused selective localization of intravenously injected cells into the brain.

References: Pasqualini and Ruoslahti. "Organ targeting in vivo using phage display peptide libraries." Letters to Nature, 380(1996):364-366.

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