ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat#: AD-154-U
Cat#: AD-154-B, Biotin labeled
Cat#: AD-154-F, FITC labeled

Product Description: YPEN-1 Endothelial Cells (III.1)

Aptamer Type: DNA

Sequence: 5'-ATACCAGCTTATTCAATTAGGCGGTGCATTGTGGTTGGTAGTATACATGAGGTTTGGTTGAGACTAGTCGCAAGATATAGATAGTAAGTGCAATCT-3'; 96-mer

Size **Custom**

Mol. Wt: 29854.53 g/mole

Purity: >95%

Affinity: n/a

Comments: n/a

Notes: Adenovirus-12 SV40-transformed YPEN-1 rat endothelial cell line was used to select the aptamer III.1 that bound micro vessels of rat brain glioblastoma but not the vasculature of the normal rat brain including peritumoral areas. This aptamer is identified as rat homologue of mouse pigpen.

References: Blank et al. "Systematic Evolution of a DNA Aptamer Binding to Rat Brain Tumor Microvessels." The Journal of Biological Chemistry. (2001). 276: 16464-16468.

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