ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat#: AD-147-U
Cat#: AD-147-B, Biotin labeled
Cat#: AD-147-F, FITC labeled

Product Description: Tenascin-C (GBI-10)

Aptamer Type: DNA

Sequence: 5' - GGCTGTTGTGAGCCTCCTCCCAGAGGGAAGACTTTAGGTTCGGTTCACGTCCCGCTTATTCTTACTCCC -3'; 69-mer

Size **Custom**

Mol. Wt: 21127.69 g/mole

Purity: >95%

Affinity: 150 nM (reported value)

Comments: At least a 10-fold decrease in Kd at 22°C and 37°C.

Notes: Interaction of Aptamer GBI-10 with Tenascin-C was used to identify the protein target from glioblastoma-derived cell line, U251 is reported. Tenascin-C is believed to be involved in both embryogenesis and oncogenesis pathways. Systematic evolution of ligands by exponential enrichment appears to be a successful strategy for the a priori identification of targets of biological interest within complex systems.

References: Dion, Daniels, et al. "A tenascin-C aptamer identified by tumor cell SELEX: Systematic evolution of ligands by exponential enrichment." PNAS 100,(2003): 15416-15421.

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