Product Data Sheet

Cat#: AD-151-U
Cat#: AD-151-B, Biotin labeled
Cat#: AD-151-F, FITC labeled

Product Description: Thyroid Transcription Factor 1 (TTF1) (A)

Aptamer Type: DNA

Sequence: 5'-GGTATTGAGGGTCGCATCTCAAAAGGGGTGATTGCTTGCACAATGACAGGGTAGGACAGATGGCTCTAACTCTCCTCT-3'; 78-mer

Size **Custom**

Mol. Wt: 24171.74 g/mole

Purity: >95%

Affinity: 3.36 nM (reported value)

Comments: n/a

Notes: TTF1, a member of the NK homeodomain is a highly specific marker for primary lung adenocarcinomas. Aptamers that are produced against *C.intestinalis* TTF1 recognize human TTF1; if so, will become a valuable diagnostic tool for primary lung adenocarcinoma.

References: Murphy, Michael B., et al. "An improved method for the in vitro evolution of aptamers and applications in protein detection and purification." Nucleic Acids Research, 31 (2003): e110.

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