Product Data Sheet

Cat#: AD-144-U
Cat#: AD-144-B, Biotin labeled
Cat#: AD-144-F, FITC labeled

Product Description: Streptavidin (31)

Aptamer Type: DNA

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

Size **Custom**

Mol. Wt: 29413.16 g/mole

Purity: >95%

Affinity: 56.7 nM (reported value)

Comments: n/a

Notes: A modified SELEX —use of fluorescent labels (fluroscein) for DNA quantification, enrichment of target-specific aptamers during selection and use of magnetic beads for target immobilization is used here. The streptavidin-specific aptamers will be used to check the surface occupancy of streptavidin-coated magnetic beads with biotinylated molecules after immobilization procedures.

References: Stoltenburg, R, et al. "FluMag-SELEX as an advantageous method for DNA aptamer selection." Analytical and Bioanalytical Chemistry, 383 (2005): 83-91.

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