

## 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'-

ATACCAGCTTATTCAATTCTATACTCCACTTTGCTATTTCTCGGTTCTTCACGCGCCGATCGCAGGCTGATGAATTGAGATAGTAA  
GTGCAATCT-3'; 96-mer

**Size** 100 nM

**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 (fluorescein) 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.

150813V