



Product Data Sheet

Cat#: AD-152-U
Cat#: AD-152-B, Biotin labeled
Cat#: AD-152-F, FITC labeled

Product Description: Tumour Marker MUC1 (Mucin 1) (S1.1)

Aptamer Type: DNA

Sequence: 5'-
GGGAGACAAGAATAAACGCTCAATAAGAACAGGGCGTCGTGTTACGAGTTCGACAGGAGGCTCACAAACAGGC-3'; 72-
mer

Size 100 nM

Mol. Wt: 22336.60 g/mole

Purity: >95%

Affinity: 0.21 nM (reported value)

Comments: n/a

Notes: MUC1 is the tumor marker in epithelial malignancies. DNA aptamers that bind with high affinity and selectivity an MUC1 recombinant protein containing five repeats of the variable tandem repeat region is reported.

References: Ferreira, C., et al. "DNA Aptamers That Bind to MUC1 Tumour Marker: Design and Characterization of MUC1-Binding Single-Stranded DNA Aptamers." *Tumor Biology*, 27(2006): 289–301.

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