

Product Data Sheet

Cat#: AD-102-U
Cat#: AD-102-B, Biotin labeled
Cat#: AD-102-F, FITC labeled

Product Description: Acute myeloid leukemia cells (KH1C12)

Aptamer Type: DNA

Sequence: 5'-
ATCCAGAGTGACGCAGCATGCCCTAGTTACTACTACTCTTTTTAGCAAAGTGGACACGGTGGCTTAGT-3'; 68-mer

Size 100 nM

Mol. Wt: 20896.62 g/mole

Purity: >95%

Affinity: 4.5 nM (reported value)

Comments: n/a

Notes: Live acute myeloid leukemia cells were used to select a group of aptamers KH1C12, K562, NB4. KH1C12 showed selectivity when compared to other within mixture of normal bone marrow aspirates. Selected aptamers can be used as a molecular tool for further understanding surface protein expression patterns on tumor cells and thus providing a foundation for effective molecular analysis of leukemia and its subcategories.

References: Sefah, Kwame, et al. "Molecular recognition of acute myeloid leukemia using aptamers." *Leukemia*, 23 (2009):235-244.

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