DNA Aptamer against Acute Myeloid Leukemia (AML) Cancer Cells

SKU# APT-072: DNA Aptamer against Acute Myeloid Leukemia (AML) Cancer Cells

Background

Acute myeloid leukemia (AML) is a cancer of the myeloid line of blood cells, characterized by the rapid growth of abnormal cells that build up in the bone marrow and blood and interfere with normal blood cell production. AML cell lines are used in research to study the biology of AML and to develop new treatments. Some commonly used AML cell lines:

- HL-60: A human promyelocytic leukemia cell line.
- KASUMI-1: A cell line with a t(8;21) translocation.
- THP-1: A human monocytic leukemia cell line.
- OCI-AML3: A cell line with an inv(16) mutation.
- MV4-11: A human myelomonocytic leukemia cell line.

These cell lines are valuable for understanding the molecular mechanisms of AML and for testing potential therapeutic agents.

Aptamer type: DNA aptamer

Aptamer length: 59 bp

Affinity KD: 101 nM by Cell-SELEX

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-072-10	Single strand DNA, lyophilized powder	10 nmol
APT-072-30	Single strand DNA, lyophilized powder	30 nmol

- Store at -20°; reagents are guaranteed stable for 12 months when properly stored.