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# RNA Aptamer against Interleukin-6 receptor

SKU# APT-060: RNA Aptamer against Interleukin-6 receptor (IL-6R)

## Background

Interleukin 6 receptor (IL6R) also known as Cluster of Differentiation 126 (CD126) is a type I cytokine receptor. IL6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in immune response. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer.

**Aptamer type: RNA aptamer**

**Aptamer length: 65 bp**

**Affinity KD: 23.1 ±4.0 nM**

## Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-060-10	Single strand RNA, lyophilized powder	10 nmol
APT-060-30	Single strand RNA, lyophilized powder	30 nmol

- Store at -80°; reagents are guaranteed stable for 12 months when properly stored.

## References

Meyer, C., et al., Stabilized Interleukin-6 receptor binding RNA aptamers. RNA biology, 2014, 11(1): 57–65.