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# RNA Aptamer against Interleukin 17A (IL-17A)

SKU# APT-059: RNA Aptamer against Interleukin 17A (IL-17A)

## Background

Interleukin-17A (IL-17A) is a protein that in humans is encoded by the IL17A gene. The protein is a proinflammatory cytokine produced by activated T cells. IL-17A regulates the activities of NF-kappa B and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL-6 and cyclooxygenase-2, as well as enhance the production of nitric oxide.

**Aptamer type: RNA aptamer**

**Aptamer length: 96 bp**

**Affinity KD: 48.5 pM**

## Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-059-10	Single strand RNA, lyophilized powder	10 nmol
APT-059-30	Single strand RNA, lyophilized powder	30 nmol

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

## References

Ishiguro, A., et al., Therapeutic potential of anti-interleukin-17A aptamer: suppression of interleukin-17A signaling and attenuation of autoimmunity in two mouse models. *Arthritis and rheumatism*, 2011, 63(2): 455–466.