

## Product Data Sheet

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**Cat#:** AD-116-U  
**Cat#:** AD-116-B, Biotin labeled  
**Cat#:** AD-116-F, FITC labeled

**Product Description:** Fibrinogen (85A/Ap90)

**Aptamer Type:** DNA

**Sequence:** 5'-  
CCTTCGTTGTCTGCCTTCGTAGGACCGCAGACATCGACGCAGGGAAATTCCGCAAGTCCAGCCAAATGCCACCCTTCA  
GAATTCGCACCA-3'; 90-mer

**Size** 100 nM

**Mol. Wt:** 27523.83 g/mole

**Purity:** >95%

**Affinity:** 63.8 nM (reported value)

**Comments:** Kd = 6.4 nM if thymidines are boronic acid modified.

**Notes:** Using fibrinogen as a model, boronic acid-modified thymidine-5'-triphosphate DNA aptamers that have high affinities (low nM Kd) and the ability to recognize changes in the glycosylation site were selected. The method developed can be applied to the development of aptamers for other glyco-products, such as glycolipids and glycopeptides.

**References:** Li, M et al. "Selecting Aptamers for a Glycoprotein through the Incorporation of the Boronic Acid Moiety." J. Am. Chem. Soc., 2008, 130 (38), pp 12636–12638.

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