

Forget Antibodies. Use Aptamers.

Fast, Inexpensive, and As Simple As Ordering
an Oligo from Your Favorite Supplier.

Oligonucleotide synthesis



Easy labeling
of aptamers

5'

3'



Naturally folds into a unique
structure with high affinity
and specificity to its target

Ready for Use in ELISAs, Westerns, Flow Cytometry & Microarrays



Replace your antibody needs with an aptamer.

Aptamers are nucleic acid ligands that are designed to bind specifically and with high affinity to virtually any desired target. Aptamers are just as good as, if not better than, the conventional antibody, e.g. binding affinity and specificity.

Some aptamers exhibit stereoselectivity. In addition, aptamers have been generated that exhibit greater than 10,000-fold binding affinity for theophylline over caffeine, which differ from one another in structure by only a single methyl group. Another in vitro selection experiment generated an aptamer that binds to D-tryptophan with 670-fold greater affinity than its counterpart L-tryptophan.

References:

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