WHAT IS CLAIMED IS:

1. A kit comprising:

(a) an array, wherein the array comprises a plurality of capture probes, wherein a capture probe of the plurality of capture probes comprises: (i) a spatial barcode and (ii): a capture domain; and

(b) a plurality of analyte capture agents, wherein an analyte capture agent of the plurality of analyte capture agents comprises: (i) an analyte binding moiety that specifically binds to an analyte in a biological sample, (ii) an analyte binding moiety barcode, and (iii) an analyte capture sequence, wherein the capture domain, the analyte capture sequence, or both are reversibly blocked with one or more blocking probes.

2. The kit of claim 1, wherein the capture domain is reversibly blocked with a blocking probe of the one or more blocking probes.

3. The kit of claim 1 or 2, wherein the analyte capture sequence is reversibly blocked with a blocking probe of the one or more blocking probes.

4. The kit of any one of claims 1-3, wherein the capture domain is reversibly blocked with a first blocking probe of the one or more blocking probes and the analyte capture sequence is reversibly blocked with a second blocking probe of the one or more blocking probes.

5. The kit of any one of claims 1-4, wherein the kit further comprises an endonuclease.

6. The kit of claim 5, wherein a blocking probe of the one or more blocking probes comprises one or more inosine nucleotides and the endonuclease is endonuclease V.

7. The kit of claim 5, wherein a blocking probe of the one or more blocking probes comprises one or more abasic sites and the endonuclease is endonuclease IV.

8. The kit of claim 5, wherein a blocking probe of the one or more blocking probes comprises a uracil and the enzyme is a uracil-specific excision reagent.

9. The kit of claim 8, wherein the blocking probe comprises a poly(U) sequence, one or more RNA bases, one or more LNA bases, or combinations thereof.

10. The kit of any one of claims 1-9, wherein a blocking probe of the one or more blocking probes, when hybridized to the analyte capture sequence or the capture domain, comprises one or more mismatched nucleotides.

11. The kit of any one of claims 1-10, wherein a blocking probe of the one or more blocking probes has a length of about 8 nucleotides to about 24 nucleotides.

12. The kit of any one of claims 1-11, wherein the capture domain comprises a nucleotide sequence of about 10 nucleotides to about 25 nucleotides in length.

13. The kit of any one of claims 1-12, wherein the capture domain comprises a unique nucleotide sequence.

14. The kit of any one of claims 1-13, wherein the analyte binding moiety is an antibody or an antigen-binding fragment thereof.

15. The kit of any one of claims 1-14, wherein the analyte binding moiety barcode identifies the analyte specifically bound by the antigen binding moiety.

16. The kit of any one of claims 1-15, wherein the analyte capture agent further comprises a linker, wherein the linker is disposed between the analyte binding moiety and the analyte binding moiety barcode.

17. The kit of claim 16, wherein the linker is a cleavable linker, and optionally, wherein the cleavable linker is a photo-cleavable linker or an enzyme cleavable linker.

18. The kit of any one of claims 1-17, wherein the kit further comprises a protease, and optionally, wherein the protease comprises Proteinase K and/or pepsin.

19. The kit of any one of claims 1-18, wherein the kit further comprises a detergent, and optionally, wherein the detergent comprises Tween-20®, Triton-X 100, and/or SDS.

20. The kit of any one of claims 1-19, wherein the kit further comprises a buffer comprising an RNase and a ribonucleoside vanadyl complex.