

What is claimed is:

1. A method for detecting a neutralizing agent to a therapeutic protein in a sample, comprising:
 - (a) contacting said sample having said neutralizing agent and a competing drug to said therapeutic protein, a target of said therapeutic protein, and a mitigating agent;
 - (b) measuring a binding of said therapeutic protein to said target; and
 - (c) comparing the result of (b) to a control measurement to detect said neutralizing agent.
2. The method of claim 1, wherein said control measurement includes measuring binding of said therapeutic protein to said target in the absence of a neutralizing agent.
3. The method of claim 1, wherein said neutralizing agent is a neutralizing antibody.
4. The method of claim 1, wherein said therapeutic protein is selected from a group consisting of an antibody, a soluble receptor, an antibody-drug conjugate, and an enzyme.
5. The method of claim 1, wherein said therapeutic protein is a monoclonal antibody.
6. The method of claim 5, wherein said monoclonal antibody is selected from a group consisting of an anti-PD-1 antibody, an anti-TNF antibody, an anti-PD-L1 antibody, an anti-EGFR antibody, an anti-CD20 antibody, an anti-CD38 antibody, and an anti-LAG3 antibody.
7. The method of claim 1, wherein said therapeutic protein is a bispecific antibody.
8. The method of claim 7, wherein said bispecific antibody is selected from a group consisting of a CD20xCD3 antibody, a BCMAxCD3 antibody, a EGFRxCD28 antibody, and a CD38xCD28 antibody.
9. The method of claim 1, wherein said therapeutic protein is immobilized to a solid support.
10. The method of claim 1, wherein said therapeutic protein is labeled for detection.
11. The method of claim 10, wherein said label is detectable by fluorescence, chemiluminescence, electrochemiluminescence, radioactivity, or affinity purification.
12. The method of claim 11, where said label comprises ruthenium.

13. The method of claim 1, wherein said target is an antigen, a receptor, a ligand, or an enzymatic substrate.
14. The method of claim 1, wherein said target is a cell surface protein.
15. The method of claim 1, wherein said target is a recombinant protein.
16. The method of claim 1, wherein said target is expressed by a cell.
17. The method of claim 16, wherein said cell is a HEK293 cell, a MOLP-8 cell, a Jurkat cell, or a modified version thereof.
18. The method of claim 1, wherein said target is immobilized to a solid support.
19. The method of claim 1, wherein said target is labeled for detection.
20. The method of claim 19, wherein said label is detectable by fluorescence, chemiluminescence, electrochemiluminescence, radioactivity, or affinity purification.
21. The method of claim 1, wherein said target is an enzymatic substrate.
22. The method of claim 1, wherein said target is CD20, CD3, BCMA, PD-1, EGFR, CD28, CD38, TNF, PD-L1, or LAG3.
23. The method of claim 1, additionally comprising a second target.
24. The method of claim 1, wherein said competing drug is a monoclonal antibody.
25. The method of claim 24, wherein said competing drug is rituximab, pembrolizumab, nivolumab, ocrelizumab, obinutuzumab, ofatumumab, ibritumomab tiuxetan, tositumomab, ublituximab, cetuximab, daratumumab, or adalimumab.
26. The method of claim 1, wherein said competing drug is a bispecific antibody.
27. The method of claim 1, wherein said mitigating agent is a monoclonal antibody.
28. The method of claim 1, comprising using two, three, four or more mitigating agents.
29. The method of claim 1, wherein a binding of said therapeutic protein to said target is measured by measuring receptor phosphorylation, phosphorylation of downstream proteins in a signal transduction pathway, cytokine release, cell proliferation, cell death, or production of a secondary protein.

30. The method of claim 1, wherein a binding of said therapeutic protein to said target is measured by the expression of a reporter gene.
31. The method of claim 30, wherein said reporter gene is luciferase.
32. The method of claim 1, further comprising a pre-treatment step of contacting said sample to said mitigating agent prior to contacting said sample to said therapeutic protein or said target.
33. A kit, comprising:
 - (a) a therapeutic protein;
 - (b) a target of said therapeutic protein;
 - (c) a neutralizing agent against said therapeutic protein;
 - (d) a competing drug; and
 - (e) a mitigating agent.
34. The kit of claim 33, further comprising cells that express said target.
35. The kit of claim 34, further comprising cells that produce a measurable activity or signal in response to the binding of said therapeutic protein to said target.
36. The kit of claim 35, wherein said activity is the expression of luciferase.
37. The kit of claim 33, wherein said target is immobilized to a solid support.
38. The kit of claim 33, further comprising a label affixed to said therapeutic protein.
39. The kit of claim 38, wherein said label comprises ruthenium.