What is claimed is:

1. A bispecific protein comprising:

a) an antibody comprising a light chain complementarity determining region 1 (CDR1) comprising the amino acid sequence of SEQ ID NO:8, a light chain complementarity determining region 2 (CDR2) comprising the amino acid sequence of SEQ ID NO:9, a light chain complementarity determining region 3 (CDR3) comprising the amino acid sequence of SEQ ID NO:10, a heavy chain CDR1 comprising the amino acid sequence of SEQ ID NO:11, a heavy chain CDR2 comprising the amino acid sequence of SEQ ID NO:12, and a heavy chain CDR3 comprising the amino acid sequence of SEQ ID NO:13; and

b) a peptide comprising an amino acid sequence of SEQ ID NO:1, SEQ ID NO:2, or SEQ ID NO:3.

2. The bispecific protein of claim 1, wherein the antibody is a human or humanized IgG antibody.

3. The bispecific protein of claim 1 or claim 2, which comprises a heavy chain variable region comprising SEQ ID NO:15 and a light chain variable region comprising SEQ ID NO:14.

4. The bispecific protein of claim 1, comprising:

(a) a polypeptide comprising an amino acid sequence having the following formula: A-L1-P-L2-P, wherein A is ~~an~~ the immunoglobulin heavy chain of ~~an~~ the IgG antibody, L1 is a first linker ~~of~~ that is absent or is 3 to 40 amino acids long, P is SEQ ID NO: 1, 2, or 3, and L2 is a peptide linker that is absent or is 5 to 50 amino acids long, and

(b) ~~an~~ the immunoglobulin light chain.

5. The bispecific protein of claim 4, wherein the immunoglobulin heavy chain of (a) and the immunoglobulin light chain of (b) form an IgG antibody, comprising two molecules of the polypeptide of (a) and two molecules of the light chain of (b).

6. The bispecific protein of claim 4 or 5, wherein the immunoglobulin heavy chain is missing a lysine at its C-terminal end just upstream of L1.