

CLAIMS

What is claimed is:

1. An antibody that specifically binds to human C5a,

wherein the antibody comprises a heavy chain variable (VH) region
and a light chain variable (VL) region,

wherein the VH region comprises
 - i) a VH-CDR1 comprising the amino acid sequence of SEQ ID NO:
3;
 - ii) a VH-CDR2 comprising the amino acid sequence of SEQ ID NO:
4; and
 - iii) a VH-CDR3 comprising the amino acid sequence of SEQ ID NO:
5; andwherein the VL region comprises
 - i) a VL-CDR1 comprising the amino acid sequence of SEQ ID NO: 8;
 - ii) a VL-CDR2 comprising the amino acid sequence of SEQ ID NO:
9; and
 - iii) a VL-CDR3 comprising the amino acid sequence of SEQ ID NO:
10.
2. The antibody of claim 1, wherein the antibody is a chimeric antibody.
3. The antibody of claim 1, wherein the antibody comprises a heavy
chain comprising the amino acid sequence of SEQ ID NO:2, or a variant thereof.
4. The antibody of claim 1, wherein the antibody comprises a light chain
comprising the amino acid sequence of SEQ ID NO:7, or a variant thereof.
5. The antibody of claim 1, wherein the antibody comprises a heavy
chain comprising the amino acid sequence of SEQ ID NO:2, or a variant thereof, and a light
chain comprising the amino acid sequence of SEQ ID NO:7, or a variant thereof.

6. The antibody of claim 1, wherein the antibody has a heavy chain variable (VH) region that has an amino acid sequence that is more than 90% identical to SEQ ID NO: 2.

7. The antibody of claim 12, wherein the antibody is an antibody fragment selected from the group consisting of a Fab, Fab', F(ab)2, F(ab')2, scFv, and combinations thereof.

8. The antibody of claim 1, wherein the antibody has a light chain variable (VL) region that has an amino acid sequence that is more than 90% identical to SEQ ID NO: 7.

9. The antibody of claim 8, wherein the antibody is an antibody fragment selected from the group consisting of a Fab, Fab', F(ab)2, F(ab')2, scFv, and combinations thereof.

10. An antibody that specifically binds to human C5a, wherein the antibody has a heavy chain variable (VH) region and a light chain variable (VL) region, wherein the VH region has an amino acid sequence set forth in SEQ ID NO: 2, and wherein the VL region has an amino acid sequence set forth in SEQ ID NO: 7.

11. The antibody of claim 10, wherein the antibody is an antibody fragment selected from the group consisting of a Fab, Fab', F(ab)2, F(ab')2, scFv, and combinations thereof.

12. A cell comprising the antibody of claim 1.

13. The cell of claim 12, wherein the cell produces the antibody of claim 1.

14. The cell of claim 12, wherein the cell is a hybridoma.