CLAIMS

1. An isolated antibody or antigen-binding fragment thereof that specifically binds tumor necrosis factor-like ligand 1A (TL1A) and comprises: (a) a heavy chain variable region (VH) comprising a CDR-H1 comprising the amino acid sequence of SEQ ID NO:376, a CDR-H2 comprising the amino acid sequence of SEQ ID NO: 379, and a CDR-H3 comprising the amino acid sequence of SEQ ID NO: 382; and (b) a light chain variable region (VL) comprising a CDR-L1 comprising the amino acid sequence of SEQ ID NO:110, a CDR-L2 comprising the amino acid sequence of SEQ ID NO: 111, and a CDR-L3 comprising the amino acid sequence of SEQ ID NO: 112.

2. The isolated antibody or antigen-binding fragment thereof according to claim 1, wherein the CDR-H1 comprises the amino acid sequence of SEQ ID NO:230, the CDR-H2 comprises the amino acid sequence of SEQ ID NO: 231, and the CDR-H3 comprises the amino acid sequence of SEQ ID NO: 232.

3. The isolated antibody or antigen-binding fragment thereof according to claim 1, wherein the VH comprises the amino acid sequence of SEQ ID NO:226 and the VL comprises the amino acid sequence of SEQ ID NO:102.

4. The isolated antibody or antigen-binding fragment thereof according to claim 1, wherein the heavy chain comprises the amino acid sequence of SEQ ID NO:228 and the light chain comprises the amino acid sequence of SEQ ID NO:106.

5. The isolated antibody or antigen-binding fragment thereof according to claim 1, comprising a human IgG1 CH2 domain having the following amino acids at the indicated positions: 234A, 235A, and 237A, wherein the positions are numbered by the EU numbering system.

6. The isolated antibody or antigen-binding fragment thereof according to claim 1, wherein the VH is encoded by the nucleic acid sequence of the insert of the vector deposited as 1D1 1.31 VH having ATCC accession number PTA-120639 and the VL is encoded by the nucleic acid

sequence of the insert of the vector deposited as 1D1 1.31 VL having ATCC accession number PTA-120640.

7. An isolated antibody or antigen-binding fragment thereof that specifically binds TL1A, and wherein the antibody or antigen-binding fragment thereof binds the same TL1A epitope as the antibody of claim 6.

8. A pharmaceutical composition comprising the antibody or antigen-binding fragment thereof according to claim 7, and a pharmaceutically acceptable carrier or excipient.

9. A pharmaceutical composition comprising the antibody or antigen-binding fragment thereof according to claim 1, and a pharmaceutically acceptable carrier or excipient.

10. An isolated antibody or antigen-binding fragment thereof that specifically binds tumor necrosis factor-like ligand 1A (TL1A) homotrimer, wherein: the antibody binds to an epitope comprising the TL1A amino acids: Y118 and Q151 of a first TL1A monomer and R33, E50, L53, and K170 of a second TL1 A monomer, according to the numbering of the amino acid sequence of TL1A as set forth in SEQ ID NO:254.

11. The isolated antibody or antigen-binding fragment thereof according to claim 10, wherein: the epitope further comprises the TL1A amino acids: S117 of the first monomer and V31, V32 and T169 of the second monomer, according to the numbering of the amino acid sequence of TL1A as set forth in SEQ ID NO:254.

12. The isolated antibody or antigen-binding fragment thereof according to claim 10, wherein: the epitope further comprises the TL1A amino acids: G54, Y168 and E171 of the second monomer, according to the numbering of the amino acid sequence of TL1A as set forth in SEQ ID NO:254.

13. A pharmaceutical composition comprising the antibody or antigen-binding fragment thereof according to claim 10, and a pharmaceutically acceptable carrier or excipient.