1. An isolated Lectin-like oxidized low density lipoprotein receptor-1 (LOX1) antibody comprising a set of complementary determining regions (CDRs): heavy chain variable region (VH)-CDR1, VH-CDR2, VH-CDR3, and light chain variable region (VL)-CDR1, VL-CDR2 and VL-CDR3, wherein:

(a) (i) VH-CDR1 has the amino acid sequence of SEQ ID NO:1;

(ii) VH-CDR2 has the amino acid sequence of SEQ ID NO:2;

(iii) VH-CDR3 has the amino acid sequence of SEQ ID NO:3;

(iv) VL-CDR1 has the amino acid sequence of SEQ ID NO:30;

(v) VL-CDR2 has the amino acid sequence of SEQ ID NO:31; and

(vi) VL-CDR3 has the amino acid sequence of SEQ ID NO:32;

(b) (i) VH-CDR1 has the amino acid sequence of SEQ ID NO:1;

(ii) VH-CDR2 has the amino acid sequence of SEQ ID NO:5;

(iii) VH-CDR3 has the amino acid sequence of SEQ ID NO:14;

(iv) VL-CDR1 has the amino acid sequence of SEQ ID NO:30;

(v) VL-CDR2 has the amino acid sequence of SEQ ID NO:31; and

(vi) VL-CDR3 has the amino acid sequence of SEQ ID NO:32;

(c) (i) VH-CDR1 has the amino acid sequence of SEQ ID NO:38;

(ii) VH-CDR2 has the amino acid sequence of SEQ ID NO:39;

(iii) VH-CDR3 has the amino acid sequence of SEQ ID NO:44;

(iv) VL-CDR1 has the amino acid sequence of SEQ ID NO:55;

(v) VL-CDR2 has the amino acid sequence of SEQ ID NO:60; and

(vi) VL-CDR3 has the amino acid sequence of SEQ ID NO:61; or

(d) (i) VH-CDR1 has the amino acid sequence of SEQ ID NO:38;

(ii) VH-CDR2 has the amino acid sequence of SEQ ID NO:39;

(iii) VH-CDR3 has the amino acid sequence of SEQ ID NO:40;

(iv) VL-CDR1 has the amino acid sequence of SEQ ID NO:55;

(v) VL-CDR2 has the amino acid sequence of SEQ ID NO:56; and

(vi) VL-CDR3 has the amino acid sequence of SEQ ID NO:57.

2. The isolated LOX1 antibody of claim 1, wherein the LOX1 antibody comprises a heavy chain variable region (VH) and a light chain variable region (VL) selected from the group consisting of:

(a) a VH having the amino acid sequence of SEQ ID NO:4 and a VL having the amino acid sequence of SEQ ID NO:33;

(b) a VH having the amino acid sequence of SEQ ID NO:29 and a VL having the amino acid sequence of SEQ ID NO:33;

(c) a VH having the amino acid sequence of SEQ ID NO:41 and a VL having the amino acid sequence of SEQ ID NO:58 and

(d) a VH having the amino acid sequence of SEQ ID NO:54 and a VL having the amino acid sequence of SEQ ID NO:70.

3. The isolated LOX1 antibody of claim 2, wherein the LOX1 antibody comprises a heavy chain variable region (VH) comprising SEQ ID NO:4 and a light chain variable region (VL) comprising SEQ ID NO:33.

4. The isolated LOX1 antibody of claim 1, wherein the LOX1 antibody reduces, inhibits or antagonizes LOX1 activity.

5. The isolated LOX1 antibody of claim 1, wherein the antibody is a monoclonal antibody, a recombinant antibody, a human antibody, a humanized antibody, a chimeric antibody, a bi-specific antibody, a multi-specific antibody, or a LOX1-binding antibody fragment.

6. The isolated LOX1 antibody of claim 5, wherein the LOX1-binding antibody fragment is selected from the group consisting of a Fab fragment, a Fab' fragment, a F(ab')2 fragment, a Fv fragment, a diabody, or a single chain antibody molecule.

7. The isolated LOX1 antibody of claim 1, wherein the LOX1 antibody further comprises a heavy chain immunoglobulin constant domain selected from the group consisting of:

(a) a human IgA constant domain

(b) a human IgD constant domain;

(c) a human IgE constant domain;

(d) a human IgG1 constant domain;

(e) a human IgG2 constant domain;

(f) a human IgG3 constant domain;

(g) a human IgG4 constant domain; and

(h) a human IgM constant domain.

8. The isolated LOX1 antibody of claim 1, wherein the LOX1 antibody further comprises a light chain immunoglobulin constant domain selected from the group consisting of: (a) a human Ig kappa constant domain; and (b) a human Ig lambda constant domain.

9. The isolated LOX1 antibody of claim 1, wherein the LOX1 antibody further comprises a human IgG1 heavy chain constant domain and a human lambda light chain constant domain.

10. The isolated LOX1 antibody of claim 9, wherein the IgG1 heavy chain constant domain contains a mutation at positions 234, 235 and 331, wherein the position numbering is according to the EU index as in Kabat.

11. The isolated LOX1 antibody of claim 10, wherein the IgG1 heavy chain constant domain contains the mutations L234F, L235E and P331S, wherein the position numbering is according to the EU index as in Kabat.

12. An isolated nucleic acid molecule or set of nucleic acid molecules encoding a LOX1 antibody according to claim 1.

13. A vector comprising the nucleic acid molecule according to claim 12.

14. A pharmaceutical composition comprising a LOX1 antibody according to claim 1 and a pharmaceutically acceptable carrier.

15. The isolated LOX1 antibody according to any one of claims 1 to 11, the isolated nucleic acid

molecule or set of nucleic acid molecules according to claim 12, the vector according to claim 13, or the pharmaceutical composition according to claim 14, for use in therapy.

16. The isolated LOX1 antibody according to any one of claims 1 to 11, the isolated nucleic acid molecule or set of nucleic acid molecules according to claim 12, the vector according to claim 13, or the pharmaceutical composition according to claim 14, for use as a medicament.

17. The isolated LOX1 antibody according to any one of claims 1 to 11 for use in treating, preventing and/or ameliorating a cardiovascular disease or condition associated with LOX1 in a subject.

18. The isolated LOX1 antibody for use according to claim 17, wherein the cardiovascular disease or condition is selected from the group consisting of atherosclerosis, thrombosis, coronary artery disease (CAD), ischemia, infarction, acute coronary syndrome (ACS), stroke, reperfusion injury, restenosis, peripheral vascular disease, hypertension, heart failure, and angiogenesis.

19. The isolated LOX1 antibody according to any one of claims 1 to 11 for use in reducing or inhibiting LOX1 activity in a subject having a cardiovascular disease or condition associated with LOX1.

20. Use of the isolated LOX1 antibody according to any one of claims 1 to 11 in the manufacture of a medicament for treating, preventing and/or ameliorating a cardiovascular disease or condition associated with LOX1 in a subject.

21. The use according to claim 20, wherein the cardiovascular disease or condition is selected from the group consisting of atherosclerosis, thrombosis, coronary artery disease (CAD), ischemia, infarction, acute coronary syndrome (ACS), stroke, reperfusion injury, restenosis, peripheral vascular disease, hypertension, heart failure, and angiogenesis.

22. Use of the isolated LOX1 antibody according to any one of claims 1 to 11 for reducing or inhibiting LOX1 activity in a subject having a cardiovascular disease or condition associated with LOX1.