CLAIMS

1. Use of ~~A cancer stem cell elimination agent comprising~~ a substance that suppresses an expression or function of Syndecan-4 (SDC4) in the manufacture of a cancer stem cell elimination agent, ~~.~~

~~2. The agent according to claim 1,~~ wherein the substance that suppresses the expression of SDC4 is

(a) a nucleic acid having RNAi activity against a transcription product of SDC4 gene, or a precursor thereof,

(b) an antisense nucleic acid against a transcription product of SDC4 gene, or

(c) a ribozyme nucleic acid against a transcription product of SDC4 gene,

and wherein the substance that suppresses the function of SDC4 is

(d) an antibody against SDC4.

2~~3~~. The use~~agent~~ according to claim 1~~2~~, wherein the substance that suppresses the expression of SDC4 is a nucleic acid comprising a nucleotide sequence complementary to a sequence consisting of at least 15 consecutive nucleotides in the region indicated by nucleotide numbers 41 - 637 in the nucleotide sequence shown in SEQ ID NO: 1, or a precursor thereof.

3~~4~~. The use~~agent~~ according to claim 1~~2~~, wherein the substance that suppresses the expression of SDC4 is a nucleic acid comprising a nucleotide sequence complementary to a sequence consisting of at least 15 consecutive nucleotides in the region indicated by nucleotide numbers 475 - 606 in the nucleotide sequence shown in SEQ ID NO: 1, or a precursor thereof.

4~~5~~. The use~~agent~~ according to claim 2~~3~~ or 3~~4~~, wherein the agent is siRNA.

~~6. The agent according to claim 1, wherein the substance that suppresses the function of SDC4 is~~

~~(a) an antibody against SDC4, or~~

~~(b) an antagonist against SDC4.~~

5~~7~~. The use~~agent~~ according to any one of claims 1 to 4~~6~~, wherein the agent is used in combination with other antitumor drug.

6~~8~~. The use~~agent~~ according to claim 7, wherein said other antitumor drug is one or more kinds selected from a chemotherapy drug, a Wnt inhibitor and an mTOR inhibitor.

~~9. A method for detecting or sorting a cancer stem cell in a cancer cell population, comprising using an expression of SDC4 as an index.~~

~~10. A reagent for detecting a cancer stem cell, comprising an antibody against SDC4.~~