

LYMPHANGIOGENESIS PROMOTING FACTOR-EXPRESSING FIBROBLAST,
AND PHARMACEUTICAL COMPOSITION CONTAINING SAME

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ABSTRACT

A fibroblast highly expressing ADM and/or HHEX has been found as a cell having lymphangiogenesis ability, and a procedure for treating fibrosis, a procedure for ameliorating a condition of lymphangiogenesis ability reduced, and procedures for modulating homeostasis of a tissue fluid, transport of lipid and/or vitamin, and
10 immunological surveillance, and for treating organ failure, by use of a pharmaceutical composition including the fibroblast, have been found. In addition, it has been found that an adult-derived fibroblast highly expressing ADM and increasing expression of VCAM-1 is obtained by culturing a human fibroblast with a medium to which TNF- α and IL-4 are added and it has been found that a fibroblast
15 highly expressing ADM is provided, and a procedure for treating a pulmonary disease by use of the fibroblast has been found.

[FIG. 5]