

Title (en)
TARGETED CYTOLYSIS OF CANCER CELLS

Title (de)
GEZIELTE ZYTOLYSE VON KREBSZELLEN

Title (fr)
CYTOLYSE CIBLEE DE CELLULES CANCEREUSES

Publication
EP 0937095 A1 19990825 (EN)

Application
EP 97911757 A 19971024

Priority
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• US 9718707 W 19971024

Abstract (en)
[origin: WO9818809A1] Chimeric proteins and DNA encoding chimeric proteins are provided, where the chimeric proteins are characterized by an extracellular domain capable of binding to TAG-72 in a non-MHC restricted manner, a transmembrane domain and a cytoplasmic domain capable of activating a signalling pathway. Binding of TAG-72 to the extracellular domain results in transduction of a signal and activation of a signalling pathway in the cell, whereby the cell may be induced to carry out various functions relating to the signalling pathway. The chimeric DNA may be used to modify lymphocytes as well as hematopoietic stem cells as precursors to a number of important cell types. A suitable extracellular domain is a single-chain antibody.

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C07H 19/00; **C07H 21/00**; **C07H 21/04**; **C07K 1/00**; **C07K 14/00**; **C12N 7/01**; **C12N 15/00**; **C12N 15/10**; **C12N 15/12**; **C12N 15/63**; **C12N 15/70**

IPC 8 full level
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