

Title (en)
PROTEIN SMI ON HEMATOPOIETIC STEM CELLS

Title (de)
PROTEIN SMI, DAS AN DER OBERFLÄCHE VON HÄMATOPOEITISCHEN STAMMZELLEN VORKOMMT

Title (fr)
PROTEINES SM1 PRESENTES A LA SURFACE DES CELLULES HEMATOPOIETIQUES SOUCHES

Publication
EP 0981546 A1 20000301 (EN)

Application
EP 98920093 A 19980501

Priority
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• US 4573097 P 19970506

Abstract (en)
[origin: WO9850429A1] A protein designated "SM1" has a molecular weight of about 230 kDa protein, as measured by immunoprecipitation and SDS-PAGE. SM1 proteins are present on the surface of human and mouse hematopoietic stem cells, respectively, and on primitive progenitor cells, but are absent from the surfaces of other cells, such as FDC-P1 myeloid progenitor cells, EL4 T-cells, WEHI-3 myelomonocytic cells, and 70Z/3 pre-B lymphoid cells, or from differentiated hematopoietic cells of human cord blood or mouse bone marrow. Anti-SM1 antibody can be employed in making a preparation that is enriched for hematopoietic stem cells.

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C07K 14/705; **C07K 16/28**; **C07H 21/04**; **C12Q 1/04**; **G01N 33/53**; **G01N 33/543**

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CPC (source: EP)
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