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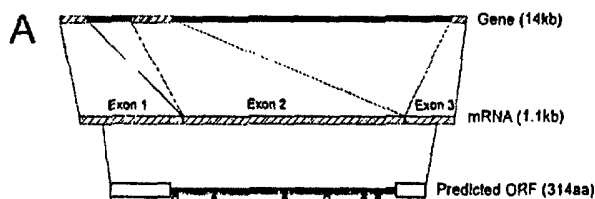
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[Continued on next page]

(54) Title: IDENTIFICATION OF THE DOMBROCK BLOOD GROUP GLYCOPROTEIN AS A POLYMORPHIC MEMBER
OF THE ADP-RIBOSYLTRANSFERASE GENE FAMILY



B
Signal peptide
1 MGFLINRCKKILLPTTVPATHRINLLGQLLPFLLLLSGLQSPTEGSEVA
51 IKIDFDFAFGSFDQYQGCCKQVVEKLTQGDYFTKDIKDAOKNYFRMWQA
101 HLANLNQCKVLPQNMTHAVAILFYTLNSRVHSDFTPAMASVARTPQQY
151 ERSFHFKYLIYYLTSATQLLRKDSIMENGTLCYEVIIYRTKDVIIIFNAYTQA
ART
201 TIRFGQFLSTGLLKEEAQBFQNTLFTIPTCLGAPVQYFSLKKEVLIIPPY
251 ELFKVINMSYHPRGNWQLRSTGNLSTYNCQLLKASSKRCIPDPIAIASL
301 SFLTSVLIIFSKSRV
GPI-anchor motif

(57) Abstract: The present invention provides an isolated peptide comprising a Dombrock carrier molecule that contains either a Dombrock (a) antigen or a Dombrock (b) antigen. Further, the present invention provides a nucleic acid encoding a Dombrock carrier molecule or fragments thereof. Moreover, a nucleic acid encoding a Dombrock (a) antigen or fragments thereof is provided. The present invention also provides a nucleic acid encoding a Dombrock (b) antigen or fragments thereof. Kits comprising antibodies to either the Dombrock (a) antigen or the Dombrock (b) antigen are also provided. Moreover, kits comprising either the Dombrock (a) antigen or the Dombrock (b) antigen, and kits comprising nucleic acids that encode the Dombrock (a) antigen or the Dombrock (b) antigen are provided. Methods for detecting the Dombrock (a) antigen or the Dombrock (b) antigen, and methods for detecting antibodies specifically binding to the Dombrock (a) antigen or the Dombrock (b) antigen are provided.



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A. CLASSIFICATION OF SUBJECT MATTER

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G01N33/68 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, MEDLINE, EMBL, SEQUENCE SEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	KOCH-NOLTE ET AL: "Two novel human members of an emerging mammalian gene family related to mono-ADP-ribosylating bacterial toxins" GENOMICS, ACADEMIC PRESS, SAN DIEGO, US, vol. 39, no. 3, 1 February 1979 (1979-02-01), pages 370-376, XP002204535 ISSN: 0888-7543	6-16, 27, 28, 36-45
Y	the whole document	1, 3, 4, 25, 33, 34

Further documents are listed in the continuation of box C.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

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