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(54) Title: DETECTION OF HUMAN PLATELET ANTIGEN (HPA) ANTIBODIES

(57) Abstract: This invention relates to recombinant GPIIIa molecules that lack the ligand binding A domain and bind to HPA-1 antibodies in monomeric form. These GPIIIa molecules can be recombinantly expressed at high levels and may be useful, for example, in the detection of HPA-1 antibodies. Such detection may be useful, for example, in the diagnosis and therapy of HPA antibody disorders such as Neonatal Alloimmune Immune Thrombocytopenia (NAIT), Post Transfusion Purpura (PTP) and Platelet Refractoriness (PR).



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A. CLASSIFICATION OF SUBJECT MATTER INV. C07K14/705 G01N33/53 ADD. C12N15/09 C12N15/12 C12N15/63		
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B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) C07K G01N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
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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	EP 1 201 757 A (GENENTECH INC [US]) 2 May 2002 (2002-05-02) the whole document	1, 3-5, 7, 12-20, 28-34
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A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family	
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer MARINONI, J	

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