

**SUPPLEMENTARY  
 EUROPEAN SEARCH REPORT**

Application Number  
 EP 15 75 4919

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X,D  A	WO 2012/166971 A2 (BIOGEN IDEC INC [US]; BLOOMGREEN GARY LEWIS [US]; BOZIC CARMEN [US]; L) 6 December 2012 (2012-12-06) * claims 66-85 * * page 39, paragraph 2 - page 40, paragraph 1 * -----	1-8,23  9	INV. C12Q1/68 G01N33/53 G01N33/68
			TECHNICAL FIELDS SEARCHED (IPC)
			G01N
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search		Date of completion of the search	Examiner
Munich		30 June 2017	Schwachtgen, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:  
5-9(completely); 1-4, 23(partially)

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 5-9(completely); 1-4, 23(partially)

method of evaluating a patient's risk of developing PML  
comprising determining expression levels of IgM

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2. claims: 17-19(completely); 1-4, 23(partially)

method of evaluating a patient's risk of developing PML  
comprising determining expression levels of CD22

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3. claims: 14-16(completely); 1-4, 23(partially)

method of evaluating a patient's risk of developing PML  
comprising determining expression levels of CD72

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4. claims: 20-22(completely); 1-4, 23(partially)

method of evaluating a patient's risk of developing PML  
comprising determining expression levels of FCRLA

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5. claims: 10-13(completely); 1-4, 23(partially)

method of evaluating a patient's risk of developing PML  
comprising determining expression levels of IgG1

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6-19. claims: 1-4, 23(all partially)

method of evaluating a patient's risk of developing PML  
comprising determining expression levels of any one of IGHM,  
FCRL3, IGHD, IGKC, CCL21, CXCL12, BCMA, FCGR2A/B, SIGLEC-3,  
SIGLEC-9, IGFBP7, Notch1, Jag1 and C3b, respectively

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 75 4919

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-06-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2012166971 A2	06-12-2012	AU 2012262122 A1	14-11-2013
		CA 2836490 A1	06-12-2012
		CN 103635803 A	12-03-2014
		EP 2715352 A2	09-04-2014
		JP 2014518377 A	28-07-2014
		KR 20140038440 A	28-03-2014
		WO 2012166971 A2	06-12-2012
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专利名称(译)	评估pml风险的方法		
公开(公告)号	<a href="#">EP3110976A4</a>	公开(公告)日	2017-11-22
申请号	EP2015754919	申请日	2015-02-27
[标]申请(专利权)人(译)	生物遗传MA		
申请(专利权)人(译)	生物遗传MA INC.		
当前申请(专利权)人(译)	生物遗传MA INC.		
[标]发明人	PLAVINA TATIANA CARULLI JOHN GORELIK LEONID COMPTON TERESA		
发明人	PLAVINA, TATIANA CARULLI, JOHN GORELIK, LEONID COMPTON, TERESA		
IPC分类号	C12Q1/68 G01N33/53		
CPC分类号	C12Q1/6883 C12Q2600/118 C12Q2600/158 G01N33/6896 G01N2333/025 G01N2800/50 G01N2800/28		
代理机构(译)	MILLER , 大卫·詹姆斯		
优先权	61/945778 2014-02-27 US		
其他公开文献	EP3110976B1 EP3110976A1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

本发明涉及评估患者发生进行性多灶性白质脑病 ( PML ) 的风险的方法。

Application Number  
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**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claims	CLASSIFICATION OF THE APPLICATION (IPC)
Category	Category of document with respect to which relevance is determined		
X, D	WO 2012/166973 A2 (BIIGEN IDEC INC [US]; BLOOMGREEN GARY LEWIS [US]; BOZIC CARMEN [US]; 11 December 2012 [2012-12-06]) C12A1/68-85 = page 39, paragraph 2 - page 40, paragraph 1	1-8, 23 9	INV. C12Q1/68 G01N33/53 G01N33/68
			TECHNICAL FIELD OF THE INVENTION (IPC)
			G01N

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

1. Date of publication of the application: 30 June 2017

2. Date of completion of the search: 30 June 2017

3. Name of the search authority: Munich

4. Name of the search authority: Schwabmuenchen

5. Name of the search authority: Schwabmuenchen

6. Name of the search authority: Schwabmuenchen

7. Name of the search authority: Schwabmuenchen

8. Name of the search authority: Schwabmuenchen

9. Name of the search authority: Schwabmuenchen

10. Name of the search authority: Schwabmuenchen