



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 82 17 20

Classification of the application (IPC):
A61K 39/395, A61P 3/10, C07K 16/28

Technical fields searched (IPC):
A61K, C07K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	KEVAN C. HEROLD ET AL: "An Anti-CD3 Antibody, Teplizumab, in Relatives at Risk for Type 1 Diabetes" <i>THE NEW ENGLAND JOURNAL OF MEDICINE</i> US 15 August 2019 (2019-08-15), vol. 381, no. 7, DOI: 10.1056/NEJMoA1902226, ISSN: 0028-4793, pages 603-613, XP055760445 * abstract * * page 4, paragraph 1 - paragraph 2 * * page 8, paragraph 2 * * page 9, paragraph 2 * * page 6, last paragraph * * Protocol and Supplementary Appendix: page 7, par. 4 and page 16, Tables S1 and S2 *	1-15
X,P	WO 2020232247 A1 (PROVENTION BIO INC [US]) 19 November 2020 (2020-11-19) * paragraphs [0007] - [0020], [0029] - [0031], [0070] - [0080], [0118] * * Example, Discussion, Claims *	1-10, 13, 14

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 The Hague	Date of completion of the search 07 June 2024	Examiner Rojo Romeo, Elena
------------------------------	--	-------------------------------

CATEGORY OF CITED DOCUMENTS

- | | |
|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
| & : member of the same patent family, corresponding document | L: document cited for other reasons |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 82 17 20

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:

1. claims: 1-15

All claims searched

1.1. claims: 1-14

An anti-CD3 antibody for use in a method of preventing or delaying the onset of clinical type 1 diabetes (T1D), comprising: administering a prophylactically effective amount of the anti-CD3 antibody to a non-diabetic subject who is at risk for T1D; and determining, prior to or after the administering step, that the non-diabetic subject has more than about 5% TIGIT+KLRG1+CD8+ T-cells in all CD3+ T cells, which is indicative of successful prevention or delay of the onset of clinical T1D; embodiments thereof.

1.2. claim: 15

A method of prognosing responsiveness of an anti-CD3 antibody in preventing or delaying the onset of type 1 diabetes (T1D), comprising: determining C-peptide area under the curve (AUC): glucose AUC ratio in a sample from a non-diabetic subject who is at risk for T1D to whom a prophylactically effective amount of an anti-CD3 antibody has been administered, wherein an increase in said ratio indicates responsiveness to the anti-CD3 antibody and/or non-progression to clinical T1D.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

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
The Hague	07 June 2024	Rojo Romeo, Elena

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
	L: document cited for other reasons
& : member of the same patent family, corresponding document	

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT

Application number:
EP 21 82 17 20

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 07-06-2024
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 2020232247	A1	19-11-2020	BR	112021022682 A2	22-02-2022
			IL	288024 A	01-01-2022
			JP	7137696 B2	14-09-2022
			JP	2021534224 A	09-12-2021
			JP	2023002501 A	10-01-2023
			KR	20220034029 A	17-03-2022
			KR	20230031981 A	07-03-2023
			US	2020399368 A1	24-12-2020
			US	2023013752 A1	19-01-2023
			WO	2020232247 A1	19-11-2020