

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2019/047754

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
A61K 48/00(2006.01)n; A61P 37/02(2006.01)n; C07K 14/705(2006.01)i; C07K 14/74(2006.01)i; C12P 21/02(2006.01)i; C12N 5/10(2006.01)i; C12N 15/12(2006.01)i; C12N 15/85(2006.01)i; A61K 38/16(2006.01)n FI: C12N15/12 ZNA; C07K14/705; C07K14/74; C12N15/85 Z; C12N5/10; C12P21/02 C; A61K38/16; A61K48/00; A61P37/02 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) A61K48/00; A61P37/02; C07K14/705; C07K14/74; C12P21/02; C12N5/10; C12N15/12; C12N15/85; A61K38/16		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Published examined utility model applications of Japan	1922-1996	
Published unexamined utility model applications of Japan	1971-2020	
Registered utility model specifications of Japan	1996-2020	
Published registered utility model applications of Japan	1994-2020	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) JSTPlus/JMEDPlus/JST7580 (JDreamIII); CAPLUS/MEDLINE/EMBASE/BIOSIS (STN); WPIDS/WPIX (STN)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2015/0104809 A1 (UNIVERSITY OF ESSEX ENTERPRISES LTD.) 16.04.2015 (2015-04-16) example 1	1, 7-11
X	METODIEVA, G., et al., "CD74-dependent deregulation of the tumor suppressor Scribble in human epithelial and breast cancer cells", Neoplasia (2013) vol.15, no. 6, pp. 660-668, ISSN: 1522-8002 page 660, abstract, page 661, left column, paragraph [0007] to right column, paragraph [0002], fig. 3-5	1, 7-11
X	US 2014/0024038 A1 (AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH) 23.01.2014 (2014-01-23) paragraphs [0022], [0079]-[0090]	1-8
A	JP 2015-506366 A (BIOMMUNE TECHNOLOGIES INC.) 02.03.2015 (2015-03-02) claims	1-12
<input checked="" type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
* Special categories of cited documents:	"I" 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	
"A" document defining the general state of the art which is not considered to be of particular relevance	"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	
"E" earlier application or patent but published on or after the international filing date	"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	
"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)	"&" document member of the same patent family	
"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		
Date of the actual completion of the international search 19 February 2020 (19.02.2020)	Date of mailing of the international search report 03 March 2020 (03.03.2020)	
Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Authorized officer  Telephone No.	

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SUH., et al., "The biological function and significance of CD74 in immune diseases", Inflammation Research (2017) vol. 66, pp. 209-216, ISSN:1023-3830 page 209, abstract, page 211, fig. 1	1-12

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

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Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
US 2015/0104809 A1	16 Apr. 2015	US 2016/0341733 A1	
US 2014/0024038 A1	23 Jan. 2014	EP 1991692 A1	
		WO 2007/097720 A2	
JP 2015-506366 A	02 Mar. 2015	US 2015/0283226 A1	
		claims	
		EP 2807193 A1	
		WO 2013/110163 A1	