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(71) Applicant (for all designated States except US): **THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH OF HUMAN SERVICES, NATIONAL INSTITUTES OF HEALTH** [US/US]; Office Of Technology Transfer, 6011 Executive Boulevard, Suite 325, Rockville, MD 20852-3804 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **STROBER, Warren** [US/US]; 8301 Whittier Blvd., Bethesda, MD 20817 (US). **BERZOFSKY, Jay, A.** [US/US]; 5908 Bradley Blvd., Bethesda, MD 20814 (US). **FICHTNER-FEIGL, Stefan** [DE/DE]; 317 Mount Vernon Place, Mainbury (DE). **KITANI, Atsushi** [JP/JP]; 317 Mount Vernon Place, Rockville, MD 20852 (US). **FUSS, Ivan, J.** [US/US]; 4304 Matthew Lane, Kensington, MD 20895 (US). **TERABE, Masaki** [US/US]; 7007 Clarendon Rd., Apt. 3, Bethesda, MD 20814 (US). **MANNON, Peter** [US/US]; 3921 Aspen St., Chevy Chase, MD 20815 (US).

(74) Agents: **GILES, P., Brian** et al.; Ballard Spahr Andrews & Ingersoll, LLP, Suite 1000, 999 Peachtree Street, Atlanta, GA 30309-3915 (US).

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[Continued on next page]

(54) Title: TREATMENT OF CANCER VIA TARGETING OF IL-13 RECEPTOR- α_2

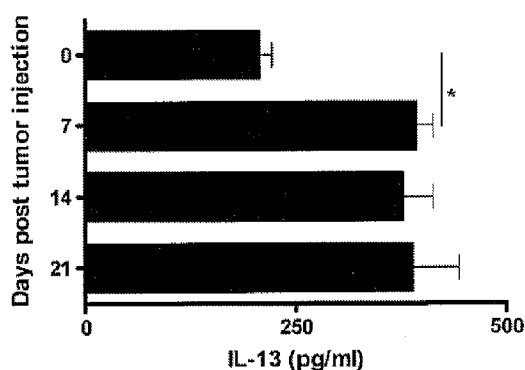


FIG. 1A

(57) Abstract: Disclosed herein are compositions and methods for treating or preventing cancer involving the use of a TNF-alpha antagonist, an IL-13R α_2 antagonist, and/or a AP-I antagonist.

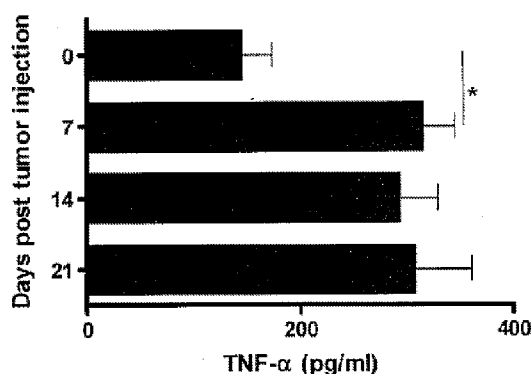


FIG. 1B



LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2008/071736

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K39/395 A61K38/17 A61P35/00

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)

A61K A61P

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)

EPO-Internal, WPI Data, GENSEQ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/050683 A (ABGENIX INC [US]; BABCOOK JOHN S [CA]; KANG JASPAL S [CA]; FOORD ORIT) 17 June 2004 (2004-06-17) abstract	1-4, 11, 24
Y	columns 10, 25, 40 columns 45, 47 ----- -/--	5-10, 12, 13, 25-28

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- *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

Date of the actual completion of the international search

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Date of mailing of the international search report

31/03/2009

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Bobkova, Dagmar

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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.
X	US 2003/157061 A1 (BENNETT DENNIS A [US]) 21 August 2003 (2003-08-21) columns 2,19,22 columns 30,32,36 columns 58,64,75 columns 77,405 columns 417,418	1-3,5,8, 9,11-13, 24
Y		6,7,10, 25-28
X	----- SZLOSAREK P W AND BALKWILL F R: "Tumor necrosis factor alpha: a potential target for the therapy of solid tumor" LANCET ONCOLOGY, vol. 4, 2003, pages 565-573, XP002504873 the whole document	1-3,24
Y		5-10,12, 13,25-28
Y	----- WO 2004/039841 A (BOREAN PHARMA AS [DK]; HOLTET THOR LAS [DK]; ANDERSEN MIKKEL HOLMEN [D]) 13 May 2004 (2004-05-13) abstract pages 1,11,16 sequence 78 -----	6,7

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2008/071736

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-13 (completely), 24-28 (partially)

A method of treating or preventing cancer (colorectal cancer) comprising administering a TNF-alpha antagonist to a subject.

2. claims: 14-17 (completely), 24-28 (partially)

A method of treating or preventing cancer (colorectal cancer) comprising administering an IL-13Ralpha2 antagonist to a subject.

3. claims: 18-23 (completely), 24-28 (partially)

A method of treating or preventing cancer (colorectal cancer) comprising administering an AP-1 antagonist to a subject.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/071736

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			JP 2006520318 T	07-09-2006