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Pre-Grant Publication Number: *2008/0131415*

Pre-Grant Publication Date: *June 5, 2008*

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Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office



Curtis Goffe
Curtis Goffe
Certifying Officer



(19) **United States**

(12) **Patent Application Publication**
Riddell et al.

(10) **Pub. No.: US 2008/0131415 A1**
(43) **Pub. Date: Jun. 5, 2008**

(54) **ADOPTIVE TRANSFER OF CD8 + T CELL
CLONES DERIVED FROM CENTRAL
MEMORY CELLS**

Publication Classification

(51) **Int. Cl.**
A61K 35/00 (2006.01)
C12N 5/06 (2006.01)
(52) **U.S. Cl.** **424/93.71; 435/372.3**
(57) **ABSTRACT**

(76) **Inventors:** **Stanley R. Riddell**, Sammamish,
WA (US); **Carolina Berger**,
Seattle, WA (US); **Michael C.
Jensen**, Sierra Madre, CA (US)

The present invention provides a method of carrying out adoptive immunotherapy in a primate subject in need thereof by administering the subject a cytotoxic T lymphocytes (CTL) preparation in a treatment-effective amount. The method comprises administering as the CTL preparation a preparation consisting essentially of an in vitro expanded primate CTL population, the CTL population enriched prior to expansion for central memory T lymphocytes, and depleted prior to expansion of effector memory T lymphocytes. In some embodiments, the method may further comprise concurrently administering Interleukin-15 to the subject in an amount effective to increase the proliferation of the central memory T cells in the subject. Pharmaceutical formulations produced by the method, and methods of using the same, are also described.

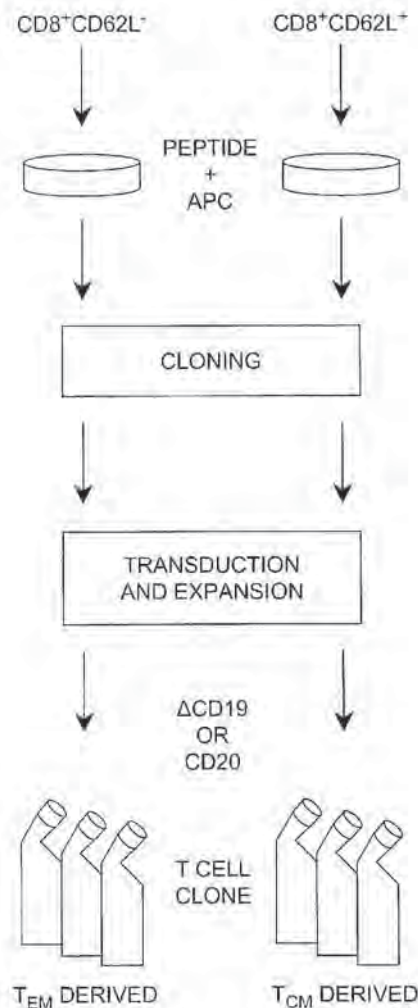
Correspondence Address:
MYERS BIGEL SIBLEY & SAJOVEC
PO BOX 37428
RALEIGH, NC 27627

(21) **Appl. No.: 11/870,776**

(22) **Filed: Oct. 11, 2007**

Related U.S. Application Data

(60) Provisional application No. 60/867,880, filed on Nov. 30, 2006.



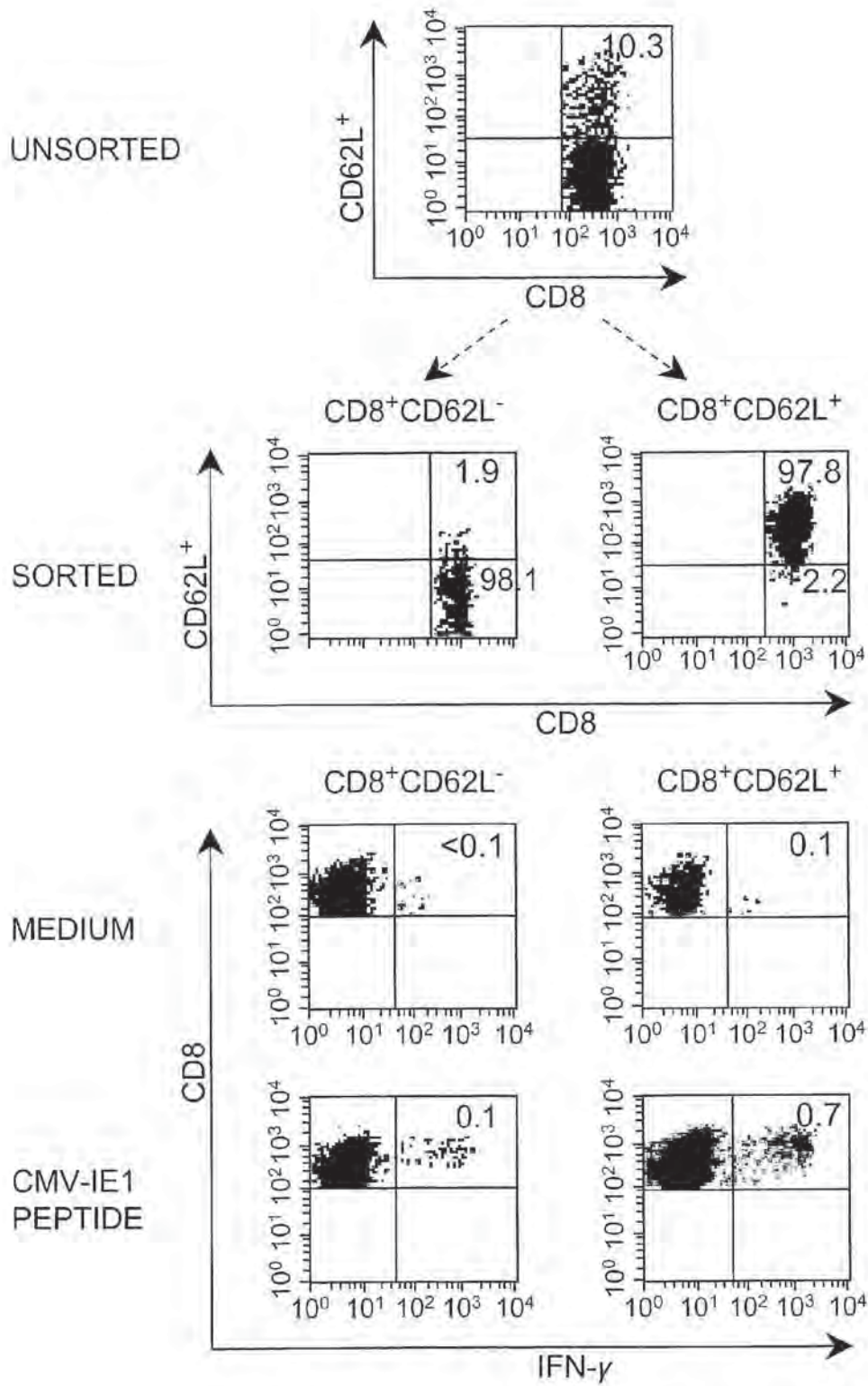


FIG. 1A

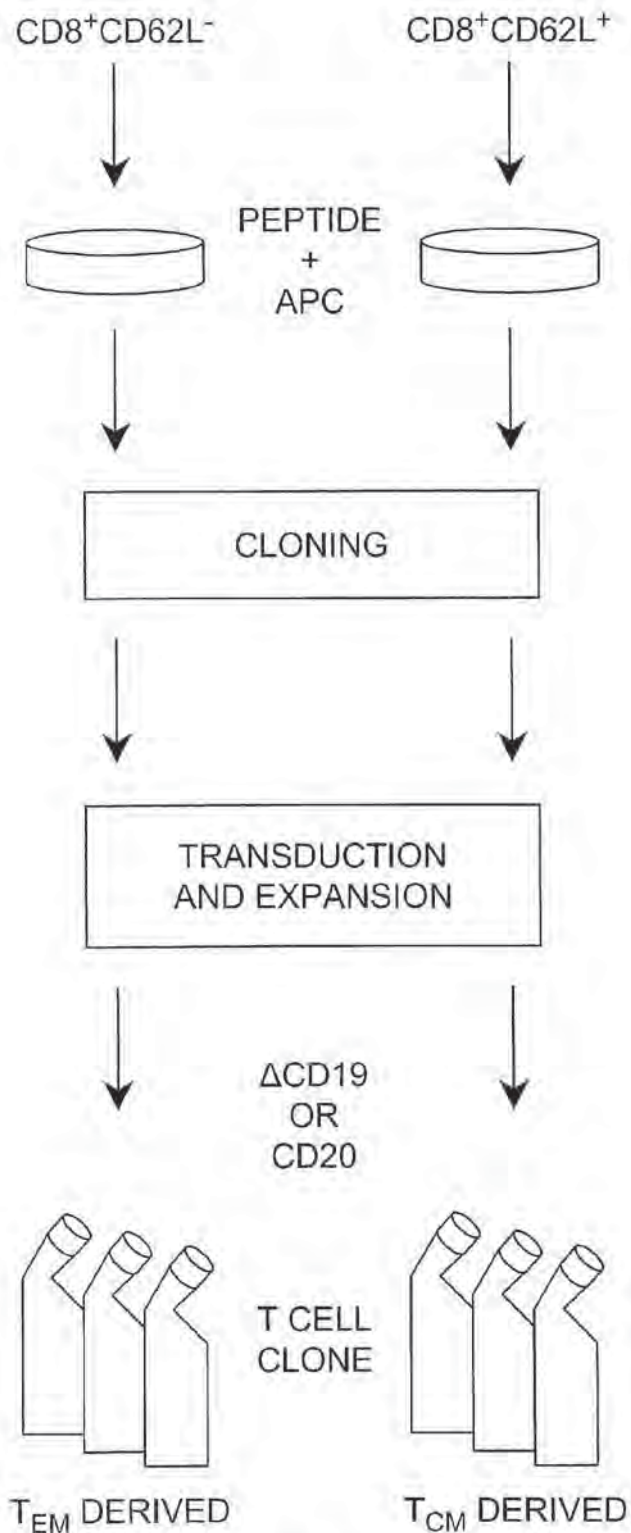


FIG. 1B

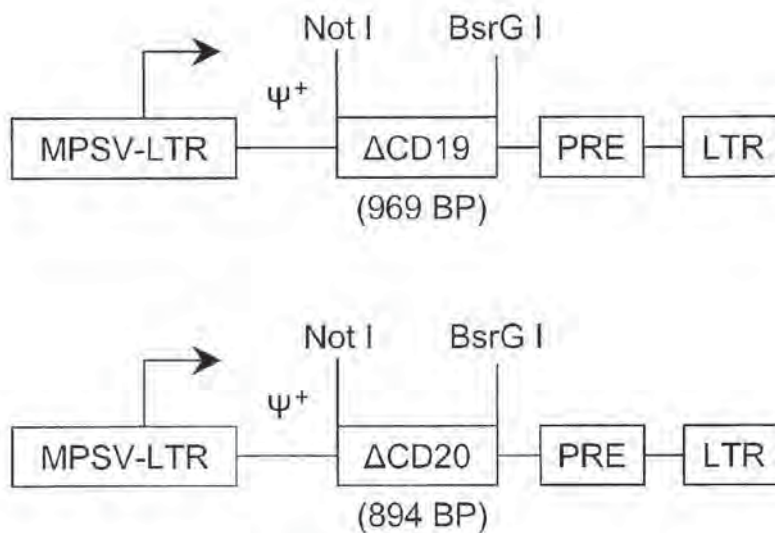


FIG. 1C

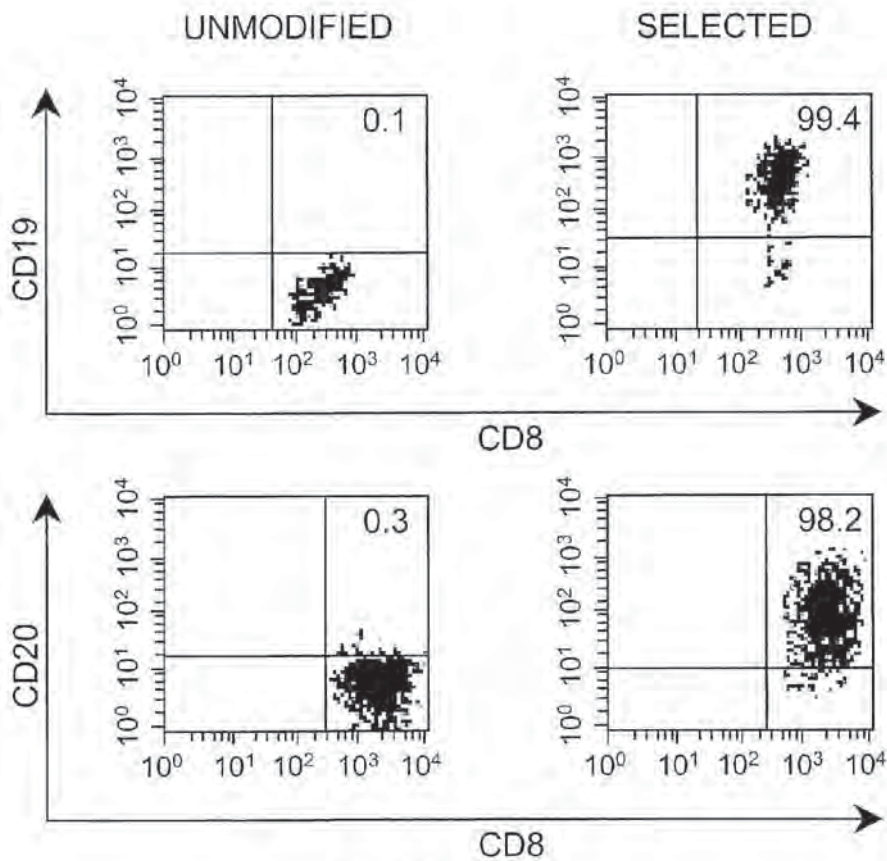


FIG. 1D

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