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

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(57) **ABSTRACT**

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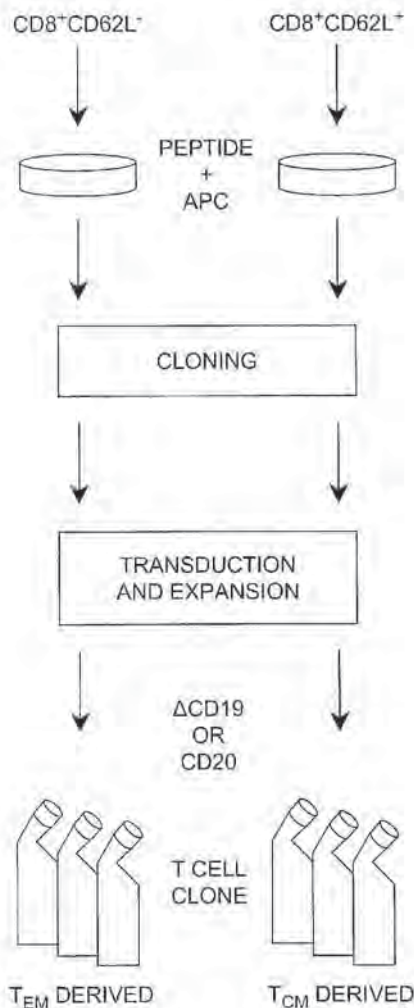
The present invention provides a method of carrying out adoptive immunotherapy in a primate subject in need thereof by administering the subject a cytotoxic T lymphocytes (CTL) preparation in a treatment-effective amount. The method comprises administering as the CTL preparation a preparation consisting 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.

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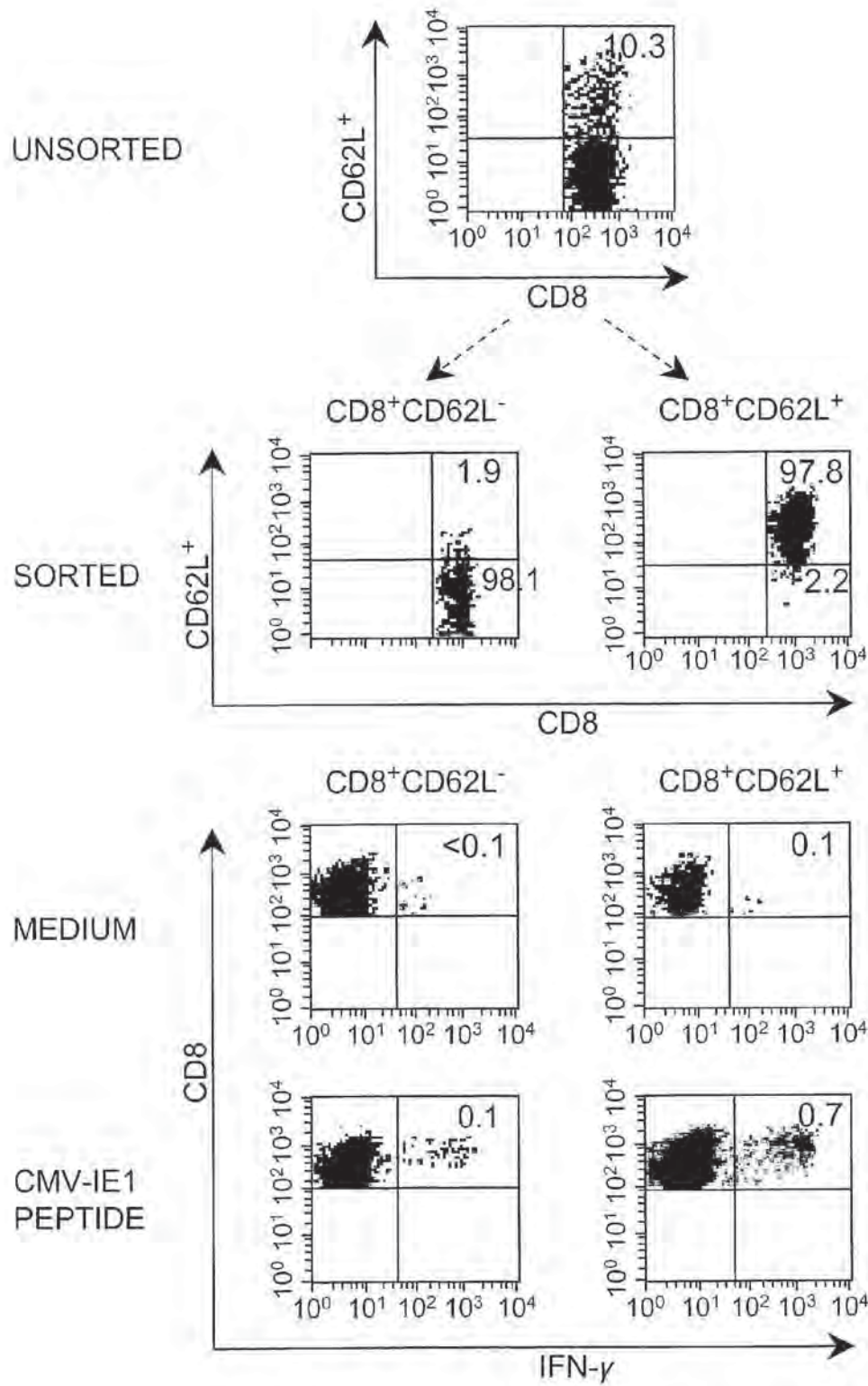


FIG. 1A

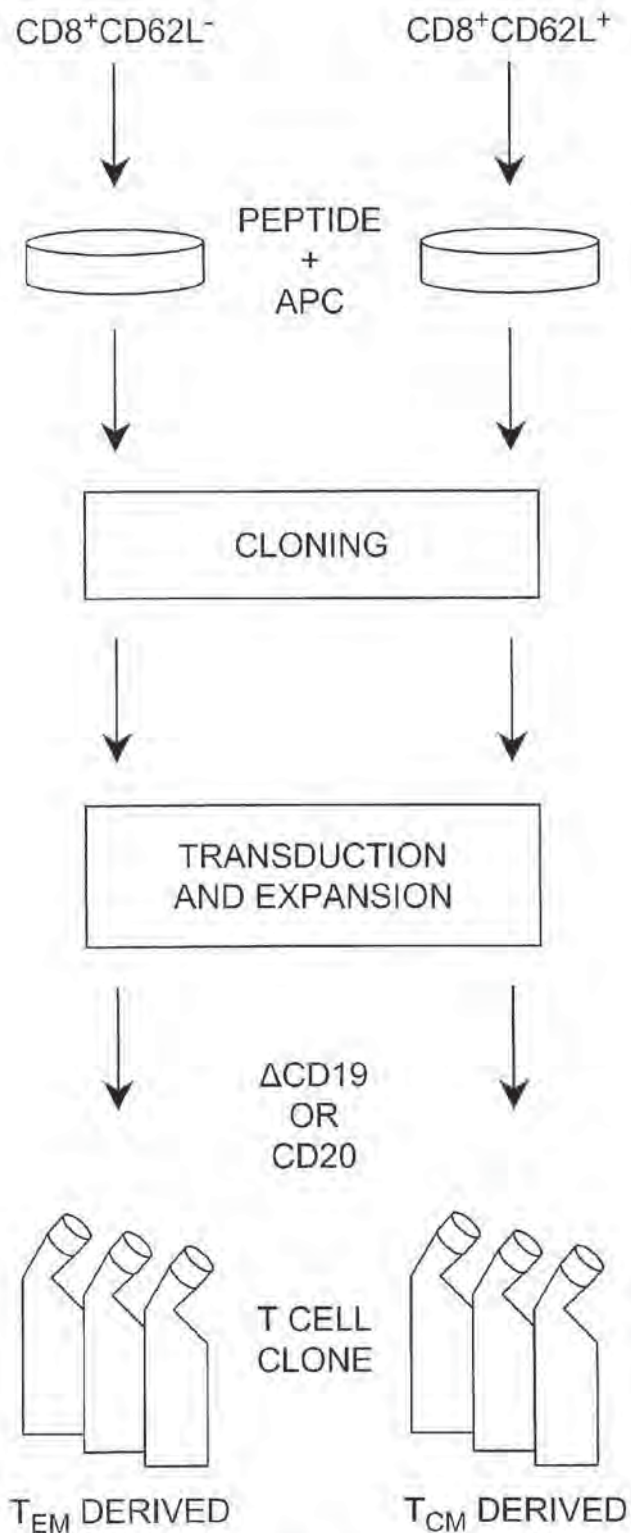


FIG. 1B

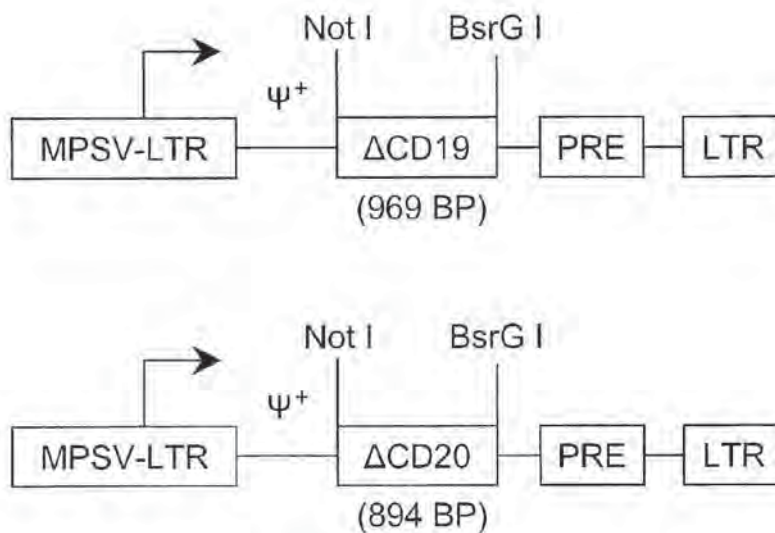


FIG. 1C

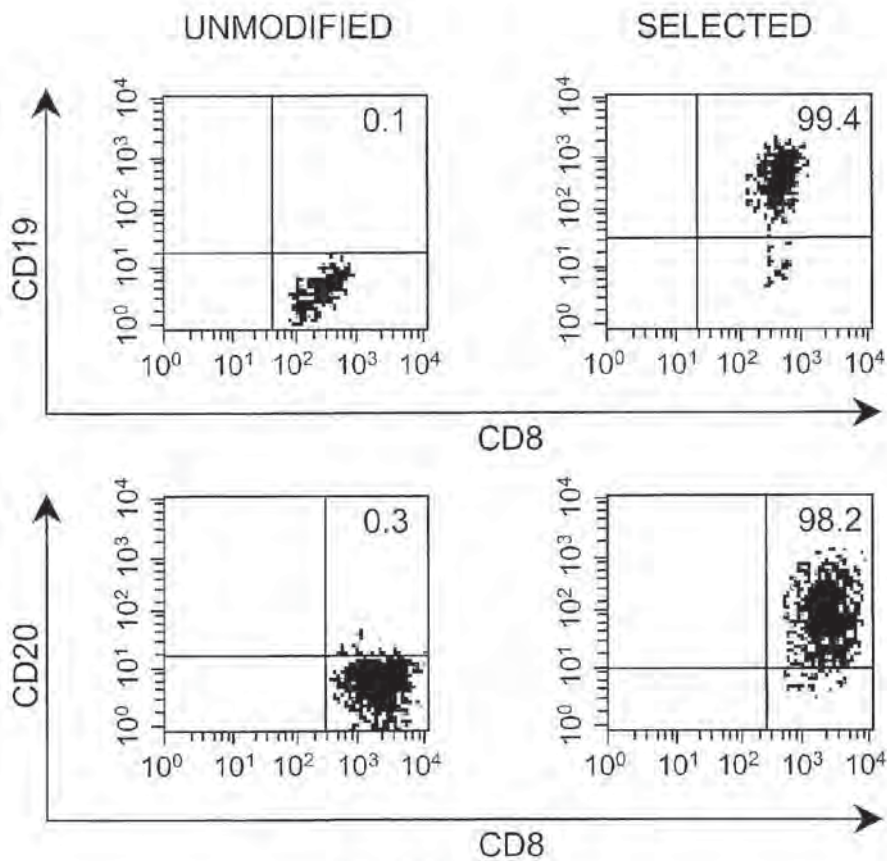


FIG. 1D

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