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(54) Title: ANTI-CD33 CHIMERIC ANTIGEN RECEPTORS AND THEIR USES

(57) Abstract: Embodiments of the invention provide chimeric antigen receptors (CARs) having antigenic specificity for CD33. Nucleic acids, recombinant expression vectors, host cells, populations of cells, and pharmaceutical compositions relating to the CARs are disclosed. Methods of detecting the presence of cancer in a mammal and methods of treating or preventing cancer in a mammal are also disclosed.

