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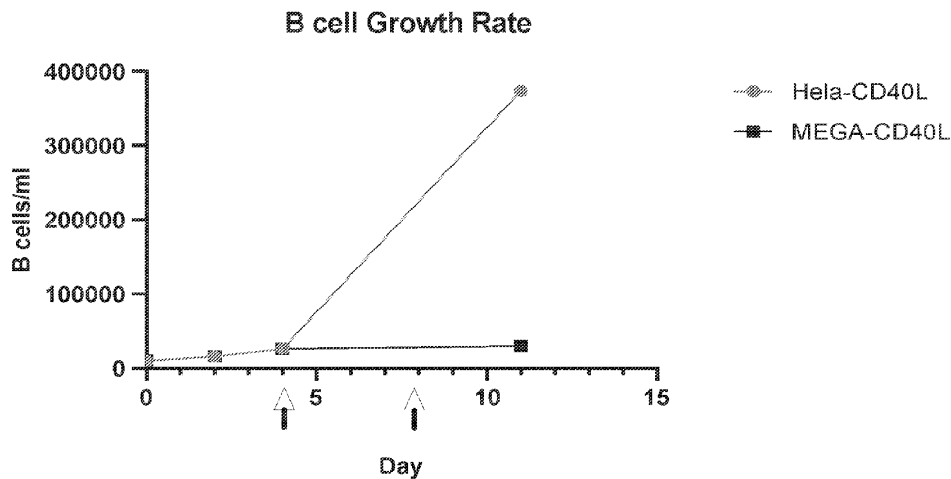


FIG. 1

(57) Abstract: The invention disclosed herein relates to improved methods for expanding cell populations, particularly B cell populations. The invention further relates to improved B-cell expansion media, compositions comprising expanded B cells and methods of using such expanded B cells. The invention further relates to methods of treating diseases or disorders wherein a population of B cells is obtained and cultured, and wherein said B cells are engineered to express a payload and/or a chimeric receptor, and wherein said B cells are administered to a subject.

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