



Fig. S1: Effects of membrane-permeable cGMP on the differentiation of human bone marrow progenitors.

**Materials and Methods:**

Human BM cells ( $4 \times 10^5$ ) were mixed with 4 ml of MethoCult (Cat.# GF H4434, Stem Cell Technologies). Following the addition of 8-Br-cGMP shown above, the cells were dispensed into 35-mm dishes. Semi-solid cultures were kept for 14 days in a humidified CO<sub>2</sub> incubator at 37 °C. Colony forming cells were then counted under a phase contrast inversion microscope. Arrow indicate the cell pellets. Note that the cell pellet treated with 1 μM 8-Br-cGMP is reddish, suggesting amplification of erythroid-lineage cells.