

Extracellular calcium modulates proliferation of factor dependent hemopoietic cells

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Blockade of the calcium channel inhibited, in a dose-dependent manner, the proliferation of the IL-3 dependent FDCP-1 cell line and normal murine bone marrow cells. Similar results were obtained by lowering the amount of extracellular calcium using specific chelators or a calcium-free medium.

These results suggest that factor-dependent cell proliferation is highly sensitive to fluctuations in the concentration of extracellular calcium. Copyright © 1993 John Wiley & Sons Ltd.