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Sargramostim

National Cancer Institute

Source

National Cancer Institute. *Sargramostim*. NCI Thesaurus. Code C1492.

A recombinant therapeutic agent chemically identical to endogenous human GM-CSF except a leucine substitution in position 23. Binding to specific cell surface receptors, sargramostim modulates the proliferation and differentiation of a variety of hematopoietic progenitor cells with some specificity towards stimulation of leukocyte production and may reverse treatment-induced neutropenias. This agent also promotes antigen presentation, up-regulates antibody-dependent cellular cytotoxicity (ADCC), and increases interleukin-2-mediated lymphokine-activated killer cell function; it may also augment host antitumoral immunity.