

[Open Peer Review on Qeios](#)

# Recombinant Leukoregulin

National Cancer Institute

## Source

National Cancer Institute. *Recombinant Leukoregulin*. NCI Thesaurus. Code C1143.

A formulated therapeutic analog of the endogenous lymphokine leukoregulin with potential antineoplastic activity. Leukoregulin displays direct and indirect cytotoxicity through tumor cell lysis and enhancing tumor cell susceptibility to natural killer cell-mediated cytotoxicity. This agent enhances membrane permeability and decreases p-glycoprotein expression, thereby promoting cytotoxic drug uptake into tumor cells. Leukoregulin also induces the synthesis of collagenase and hyaluronan, expression and secretion of interleukin-8, and upregulates stromelysin-1 gene expression in human fibroblasts, thereby regulating extracellular matrix degradation. (NCI04)