

Human Erythropoietin-alpha protein (Recombinant) (STJP000331)

STJP000331

GENERAL INFORMATION

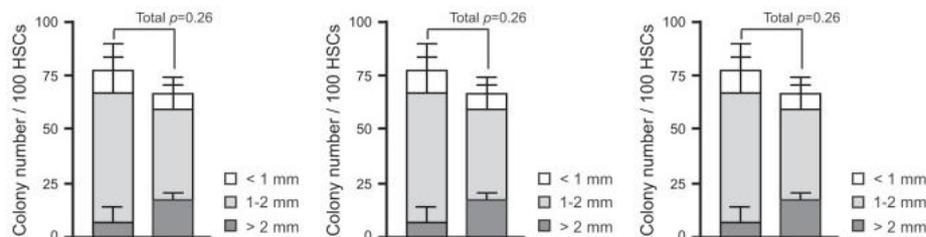
Product Type	Proteins
Short Description	Recombinant-Human Erythropoietin-alpha-protein was developed from cho cells. For use in research applications.
Host/Source	CHO cells

PRODUCT PROPERTIES

Concentration	
Formulation	Recombinant Erythropoietin alpha was lyophilized from a.2 Mu m filtered PBS solution pH.
Purification	
Dilution Range	>98%, as determined by SDS-PAGE and HPLC
Storage	The lyophilized protein is stable for at least years from date of receipt at -20°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss
Instruction	

TARGET INFORMATION

Gene ID	2056
Gene Symbol	EPO
Uniprot ID	EPO_HUMAN
Immunogen Sequence	



Single CD34+LSK cells were sorted into 96-well microtiter plates containing the SF-03 medium supplemented with 10% FBS and multiple cytokines (10 ng/ml SCF, 10 ng/ml TPO, 10 ng/ml IL-3, and 3 U/ml EPO) and allowed to form colonies.

The effects of SNS-032, perflorine, or combination on the leukemia colony formation (CFU-L) in methylcellulose medium were examined using leukemic colony assay as previously described (3) in 600 μ L of methylcellulose solution were incubated in the presence of the agents or an equivalent amount of medium at 37°C in a humidified atmosphere with 5% CO₂. Primary leukemic cells were cultured in methylcellulose medium containing recombinant human (rh) stem cell factor (SCF), granulocyte macrophage-colony-stimulating factor (GM-CSF), and interleukin 3 (IL-3) at 2 x 10⁴ cells/dish. After 7 days, CFU-L that contain >40 cells were scored manually under a light microscope. For colony assay of human normal bone marrow cells, 3 U/ml rh erythropoietin, 50 ng/ml rhSCF, 30 ng/ml rhGM-CSF, and 10 ng/ml rhIL-3 were added to the methylcellulose medium. The colonies were counted under a microscope on day 12 of culture.

celltype NA >Leukemic cell lines, MNCs from the patients with, or healthy controls were infected with or without the indicated viruses (50 MOI) and seeded in triplicate in a mixture containing 1, 35% methylcellulose in medium NA >Isocove NA s medium NA >-modified medium NA >Dulbecco NA s medium (BMDM) supplemented with 20% fetal bovine serum and 10⁻⁴ M 2-Mercaptoethanol. For colony assay of bone marrow cells, 3 U/mL recombinant human (rh) erythropoietin, 50 ng/mL rh stem cell factor, 30 ng/mL rh granulocyte macrophage-colony-stimulating factor, and 10 ng/mL rh interleukin-3 were added to the methylcellulose medium. The colonies were evaluated under a microscope on day 12 of culture. In contrast, leukemic cell lines were seeded in cytokine-free mixture as described previously (1).

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.

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