

Datasheet

GMCSF/IL-3 Fusion Protein

Human recombinant, PIXY321

Product	Description	Catalogue-No.	Size
GMCSF/IL-3 Fusion Protein	GMCSF/IL-3 fusion protein, PIXY321 human recombinant	CB-211SOAN	100 µg

Lot No.: H131101

Expiry: 11/2015

Product description

Synonyms: PIXY321, GMCSF/IL3

Synergism of IL-3 together with GMCSF causes a rapid rise in neutrophils due to GMCSF and a slower rise in platelets due to IL-3 which has strong stimulating effect on hematopoietic cells. The analog of GMCSF/IL-3 is PIXY321. Results indicate that PIXY321 can stimulate multi-lineage hematopoiesis *in vivo* and enhance neutrophil and platelet recovery following chemotherapy and bone marrow transplantation (BMT). These results suggest that PIXY321 elicits the biological effects of both its component cytokines and represents a novel means of delivering two independent but interactive cytokines in combination.

GMCSF/IL-3 fusion protein human recombinant produced in E. Coli is a single, non-glycosylated, polypeptide chain having a MW of 30 kDa. PIXY321 is purified by proprietary chromatographic techniques.

Solubility and storage conditions

It is recommended to reconstitute lyophilized PIXY321 in sterile 18MΩ-cm H₂O at not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. Lyophilized PIXY321 although stable at room temperature for 3 weeks, should be stored desiccated below -18° C. Upon reconstitution PIXY321 should be stored at 2-8° C between up to 7 days and for future use below -18° C. Please prevent freeze-thaw cycles.

Biological Activity

The ED₅₀ as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) is < 0.2 ng/ml, corresponding to a specific activity of 5,000,000 IU/mg.

Composition

The protein was lyophilized after extensive dialysis against 10 mM PBS, pH= 7.4±0.1 and 0.1% BSA. Sterile filtered white lyophilized (freeze-dried) powder from E. Coli.

Suitability

FOR RESEARCH USE ONLY!

Not approved for human or animal diagnostic or therapeutic procedures.

Technical Support

Additional information will be available on our website: www.pan-biotech.com

For technical support, questions or remarks please contact your local PAN-Biotech partner or the technical department of PAN-Biotech via email (info@pan-biotech.com) or phone +49-8543-601630.