

Human GM-CSF / Interleukin-3 Fusion - Purified

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| Catalog No.: | AR10050PU-S |
| Quantity: | 2 µg |
| Background: | <p>Synergism of IL3 together with GMCSF causes a rapid rise in neutrophils due to GMCSF and a slower rise in platelets due to IL3 which has strong stimulated effect on hematopoietic cells.</p> <p>The analog of GMCSF/IL3 is PIXY321. Results indicate that PIXY321 can stimulate multilineage 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.</p> |
| Species: | Human |
| Source: | <i>E. coli</i> |
| Format: | <p>State: Sterile Filtered White lyophilized (freeze-dried) powder. Purity: >95.0% as determined by RP-HPLC and SDS-PAGE analysis. Buffer System: Lyophilized after extensive dialysis against 10mM PBS, pH 7.4±0.1 and 0.1% BSA. Reconstitution: Restore the lyophilized PIXY321 in sterile 18MΩ·cm⁻¹ H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.</p> |
| Description: | <p>GMCSF/IL3 fusion protein Human Recombinant produced in <i>E.coli</i> is a single, non-glycosylated, polypeptide chain having a MW of 30kDa. PIXY321 is purified by proprietary chromatographic techniques. Biological Activity: The ED50 as determined by the dose-dependant stimulation of the proliferation of Human TF-1 cells (human erythroleukemic indicator cell line) is < 0.2ng/ml, corresponding to a Specific Activity of 5 x10⁶ IU/mg.</p> |
| Storage: | <p>Lyophilized PIXY321 although stable at RT for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PIXY321 should be stored at 2-8°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles. Shelf life: One year from despatch.</p> |