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IL-11

Catalog # PVGS1578

Product Information

Primary Accession	P20809-1
Species	Human
Sequence	Pro22-Leu199
Purity	> 85% as analyzed by SDS-PAGE
Endotoxin Level	
Expression System	CHO
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Additional Information

Target Background	Interleukin-11 is a pleiotropic cytokine that was originally detected in the conditioned medium ofan IL-1α-stimulated primate bone marrow stromal cell line (PU-34) as a mitogen for the IL-6-responsive mouse plasmacytoma cell line T11. IL-11 has multiple effects on both hematopoietic and non-hematopoietic cells. Many of the biological effects described for IL-11 overlap with those for IL-6. In vitro, IL-11 can synergize with IL-3, IL-4 and SCF to shorten the G0 period of early hematopoietic progenitors. IL-11 alsoenhances the IL-3-dependent megakaryocyte colony formation. IL-11 has been found to stimulate the T cell-dependent development of specific immunoglobulin-secreting B cells.

Protein Information

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.