IL-11 (mouse), (recombinant)

Interleukin 11 (IL-11) is a member of the gp130 family of cytokines. IL-11 functions to promote hematopoietic stem cell proliferation and megakaryocyte differentiation. IL-11 binds the IL-11Rα receptor to activate JAK downstream signaling. In non-hematopoietic cell populations, IL-11 stimulates acute-phase proteins, modulates the development of immunoglobulin-producing B cells, and regulates bone turnover.

Citations: 2 View Online »

Manuals, SDS & CofA View Online »

Handling & Storage

Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -80°C. For long term storage, it is recommended to dilute to working aliquots in a 0.1% BSA solution.
Long Term Storage	-80°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Interleukin-11, AGIF, Adipogenesis Inhibitory Factor, Oprelvekin
Biological Activity	T11 cell proliferation; ED50 ≤ 2.5 ng/mL (≥ 4.0 x 10^5 units/mg).
Endotoxin Content	≤1 EU/µg protein (LAL test)
Formulation	Lyophilized from a sterile (0.2 micron) filtered solution containing 0.1% Trifluoroacetic Acid (TFA).
MW	~19.3 kDa
Purity	≥95% (SDS-PAGE)
Reconstitution	Reconstitute in sterile water at 0.1 mg/mL.
Source	Produced in *E. coli*. Contains 179 amino acids.
UniProt ID	P47873

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