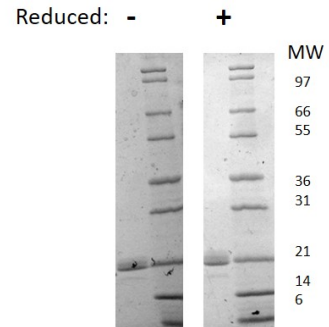
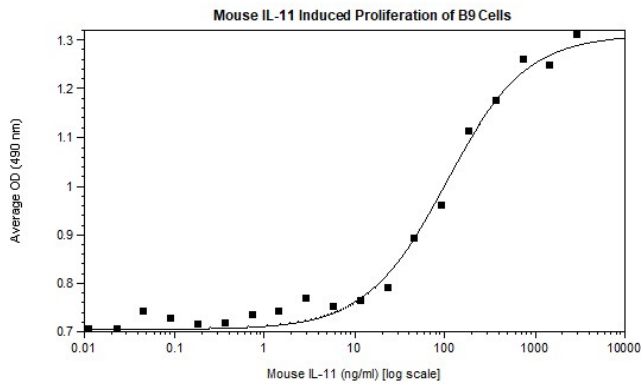


IL11

Recombinant Mouse Interleukin-11

Catalog No.	CSI20127A CSI20127B CSI20127C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	IL-11		
Description:	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. In non-hematopoietic cell populations, IL-11 stimulates acute-phase proteins, modulates the development of immunoglobulin-producing B cells, and regulates bone turnover. IL-11 binds the IL-11Rα receptor to activate JAK downstream signaling.		
Gene ID:	16156		
UniProt ID:	P47873		
Source:	<i>E. coli</i>		
Molecular Weight:	19.3 kDa (179 aa) monomer		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)		
Purity:	>95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤ 1 EU/µg by kinetic LAL analysis		
Biological Activity:	ED ₅₀ ≤ 250 ng/ml, determined by the dose-dependant stimulation of the proliferation of mouse B9 cells. ED50		
Specific Activity:	≥ 4.0 x 10 ³ units/mg		
Amino Acid Sequence:	MPGPPAGSPR VSSDPRADLD SAVLLTRSL ADTRQLAAQM RDKFPADGDH SLDSLPTLAM SAGTLGSLQL PGVLTRLRVD LMSYLRHVQW LRRAGGPSLK TLEPELGALQ ARLERLLRRL QLLMSRLALP QAAPDQPVIP LGPPASAWGS IRAAHAILGG LHLLTDWAVR GLLLLKTRL		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilution should be made in appropriate buffered solutions.		
Storage & Stability:	Lyophilized product is stable at room temperature for shipping purposes. Upon receipt, store at -20°C to -80°C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8°C. For long term storage, prepare working aliquots and store at -20 to -80°C. For maximal stability, dilute to working aliquots in a 0.1% BSA solution. Avoid repeated freeze-thaw cycles.		





Mouse IL-11 Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse IL-11 has a predicted MW of 19.3 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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