

**DATASHEET**  
Version 20181206**IL-11, Mouse(HEK 293-expressed)****Cat. No.:** Z03052-10**Size:** 10.0 ug**Synonyms:** IL-11**Description:**

Interleukin-11 (IL-11) is a pleiotropic cytokine that was originally detected in the conditioned medium of an IL-1 $\alpha$ -stimulated primate bone marrow stromal cell line (PU-34) as a mitogen for the IL-6-responsive mouse plasmacytoma cell line T11. IL-11 contains no cysteine residues or potential glycosylation sites. IL-11 has multiple effects on both hematopoietic and nonhematopoietic cells. Many of the biological effects described for IL-11 overlap 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 also enhances the IL-3-dependent megakaryocyte colony formation. IL-11 has been found to stimulate the T cell dependent development of specific immunoglobulin-secreting B cell.

**Amino Acid Sequence:**

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00001 GPPAGSPRVS SDPRADLDSA VLLTRSLLD TRQLAAQMRD
00041 KFPADGDHSL DSLPTLAMS GTLGSLQLPG VLTRLRVDLM
00081 SYLRHVQWLR RAGGPSLKTLE PELGALQAR LERLLRRLQL
00121 LMSRLALPQA APDQPVIPLG PPASAWGSIR AAHAILGGLH
00161 LTLDWAVRGL LLLKTRL
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**Source:** HEK 293**Species:** Mouse**Biological Activity:** ED<sub>50</sub> < 3 ng/ml, measured in a cell proliferation assay using T11 cells.**Molecular Weight:** 21 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.**Purity:** > 95% as analyzed by SDS-PAGE and HPLC.**Endotoxin Level:** < 0.2 EU/ $\mu$ g, determined by LAL method.**Storage:** Lyophilized recombinant Mouse Interleukin-11 (IL-11) remains stable up to 6 months when stored at lower than -70°C from date of receipt. Upon reconstitution, Mouse Interleukin-11 (IL-11) should be stable up to 1 week at 4°C or up to 2 months at -20°C.