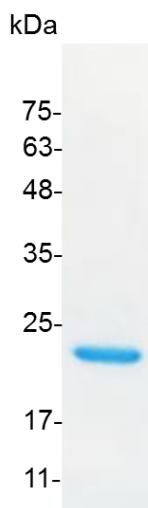


PRODUCT INFORMATION
IL-11 (Interleukin-11), Mouse

Catalog number	C02012-5UG / C02012-20UG / C02012-100UG
Package	5 µg / 20 µg / 100 µg
Description	IL-11 is a cytokine and first isolated in 1990 from bone marrow-derived fibrocyte-like stromal cells. It was initially thought to be important for hematopoiesis, notably for megakaryocyte maturation, but subsequently shown to be redundant for platelets, and for other blood cell types, in both mice and humans. It is also known under the names adipogenesis inhibitory factor (AGIF) and was developed as a recombinant protein (rhIL-11) as the drug substance oprelvekin.
Source	<i>Escherichia coli</i>
Sequence	PGPPAGSPRVSSDPRADLDSAVLLTRSLADTRQLAAQMRDKFPADGDHSLDS LPTLAMSAGTLGSLQLPGVLRRLRVLDLMSYLRHVQWLRRAAGGPSLKTLEPELG ALQARLERLLRRLQLLMSRLALPQAAPDQPVIPLGPPASAWGSIRAAHAILGGLH LTLDWAVRGLLLLKTRL with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce T11 cells proliferation. The ED ₅₀ for this effect is <0.5 ng/mL. The specific activity of recombinant mouse IL-11 is > 2 x 10 ⁶ IU/mg.
Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Formulation	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse IL-11

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