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IL 11 Mouse

Interleukin-11 Mouse Recombinant
CYK0242

Product Overview

Name	IL 11 Mouse
Description	
Interleukin-11 Mouse Recombinant	
Accession (Primary)	P47873
Synonyms	
AGIF, Adipogenesis inhibitory factor, IL-11, Interleukin-11, Il11.	
Introduction	
IL11 is a member of the gp130 family of cytokines. These cytokines drive the assembly of multisubunit receptor complexes, all of which contain at least one molecule of the transmembrane signaling receptor IL6ST (gp130). IL-11 is shown to stimulate the T-cell-dependent development of immunoglobulin-producing B cells. It is also found to support the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized from a 0.2 μm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.	
Stability	
Lyophilized Interleukin-11 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL11 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
MPGPPAGSPR VSSDPRADLD SAVLLTRSLL ADTRQLAAQM RDKFPADGDH SLDSLPTLAM SAGTLGSLQL PGVLTRLRVD LMSYLRHVQW LRRAGGPSLK TLEPELGALQ ARLERLLRRL QLLMSRLALP QAAPDQPVIP LGPPASAWGS IRAAHAILGG LHLTLDWAVR GLLLLKTRL.	
Biological Activity	

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The ED 50 as determined by the dose-dependant stimulation of the proliferation of murine T11 was found to be less than 2.0 ng/ml, corresponding to a specific activity of 500,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized Interleukin 11 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 11 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P47873)