

Product Datasheet

Recombinant IL-11, Human (CHO-expressed) (orb1494720)

Description	Interleukin-11 is a pleiotropic cytokine that was originally detected in the conditioned medium of an IL-1 α -stimulated primate bone marrow stromal cell line (PU-34) as a mitogen for the IL-6-responsive mouse plasmacytoma cell line T11. IL-11 has multiple effects on both hematopoietic and non-hematopoietic cells. Many of the biological effects described for IL-11 overlap with 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 cells.
Endotoxins	< 0.2 EU/ μ g, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Human Interleukin-11 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human Interleukin-11 should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Protein Sequence	PGPPPGPPRVSPDPRAELDSTVLLTRSLLADTRQLAAQLRDKFPADGDHNLDSLPTLAMSA GALGALQLPGVLRRLRADL LSYLRHVQWLRRAGGSSSLKLTLEPELGTQLQARLDRLLRRLQLLMSRLALPQPPDPAPPLAP PSSAWGGIRAAHAILGGL HLTLDWAVRGLLLLKTRL
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Source	CHO
MW	~23 kDa, observed by reducing SDS-PAGE.

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Expiration Date

6 months from date of receipt.

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