

Product Datasheet

Recombinant IL-10, Human (CHO-expressed) (orb1494723)

Description	Interleukin-10 (IL-10), initially known as Cytokine Synthesis Inhibitory Factor (CSIF), belongs to the IL-10 family and shares more than 80% sequence homology with Epstein-Barr Virus protein BCRF1. It is produced by many immune cells, such as T-cells, macrophages, mast cells, and dendritic cells. It is usually secreted as a homodimer and, upon binding to its receptor, inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and Th2 cells. It also displays ability to suppress Antigen-Presenting Cell (APC) function. The net effect of Interleukin-10 appears to be inhibitory; however, stimulatory effects, such as stimulation of B cell maturation and antibody production, are also reported.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Human Interleukin-10 remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human Interleukin-10 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 ddH2O or PBS at 100 μg/ml.
Protein Sequence	SPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFQMKDQLDNLKESLLEDFKGYLG CQALSEMIQFYLEEVMPPQA ENQDPDIKAHVNSLGENLKTLLRLRRCHRFLPCENKSKAVEQVKNAFNKLQEKGIYKAMS EFDIFINYIEAYMTMKIRN
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Source	CHO
MW	18-19 kDa, observed by reducing SDS-PAGE.

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Expiration Date 6 months from date of receipt.

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