

Active Recombinant Chicken Interleukin 10

Cat. No. IL10-246C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken IL-10 was expressed in Yeast. MW= 18.3 kDa (154 aa).
Species	Chicken
Source	Yeast
Description	Interleukin-10 is produced by murine T-cells following their stimulation by lectins. The main source for B-cell-derived Interleukin-10 in mice is Ly-1 B-cells that express CD5 and CD11. Murine keratinocytes also produce IL10.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purification	Ion-exchange chromatography.
Purity	>95% as visualized by SDS-PAGE analysis.
Amino Acid Sequence	LEPTCLHFSE LLPARLRELK VKFEEIKDYF QSRDDELNIQ LLSSELLDKF KGTFGCQSVS EMLRFYTDEV LPRAMQTSTS HQQSMGDLGN MLLGLKATMR RCHRFFTCEK RSKAIKQIKE TFEKMDENGI YKAMGEFDIF INYIEEYLLM RRRK.
Bioactivity	The biological activity of recombinant chicken IL-10 was determined by measuring IFN-gamma expression by RTPCR in Concanavalin A-stimulated chicken spleen lymphocytes. Results demonstrate decreased IFN-gamma gene expression, with the addition of recombinant chicken IL-10, in a dose-dependant manner, with doses

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starting at 2 ng/mL.

Stability And Storage

Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

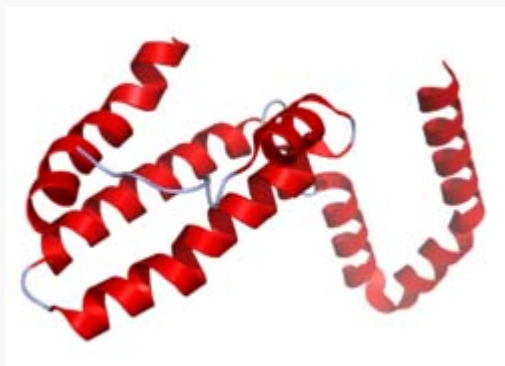
Gene Name	IL10 interleukin 10 [Gallus gallus]
Synonyms	interleukin 10; IL-10; IL10; interleukin-10
Gene ID	428264
mRNA Refseq	NM_001004414.2
Protein Refseq	NP_001004414.2
UniProt ID	Q6A2H4
Chromosome Location	26
Pathway	Cytokine-cytokine receptor interaction; Intestinal immune network for IgA production; Jak-STAT signaling pathway
Function	cytokine activity; protein binding

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