

Murine IL-10

Synonyms: B-TCGF, CSIF, TGIF, IL-10, IL10A, MGC126450, MGC126451, Cytokine synthesis inhibitory factor.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1541.960.002		
10 µg	1541.960.010		
1 mg	1541.960.199		

Please enquire for bulk quantities and other vial sizes

Description

IL-10 Recombinant Murine produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 161 amino acids and having a molecular mass of 18785 Dalton.

- **Biological Activity** ≥ 5 x 10⁵ IU/mg.
- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized after extensive dialysis against PBS*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by the dose-dependant co-stimulation with IL-4 of mouse MC-9 cells was found to be < 2ng/ml, corresponding to a Specific Activity of 500,000IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized IL-10 Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Interleukin10 Mouse recombinant 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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ser-Arg-Gly-Gln.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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