

Human IL-22 Antagonist / E117A

Synonyms: IL-TIF, TIFa, IL-10-related T-cell-derived-inducible factor, IL-22, ILTIF, IL-D110, zcyt18, MGC79382, MGC79384, TIFIL-23.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1585.950.002		
10 µg	1585.950.010		
100 µg	1585.950.100		

Please enquire for bulk quantities and other vial sizes

Description

Interleukin-22 Antagonist Murine Recombinant produced in *E.Coli* is a single, non-glycosylated homodimeric polypeptide chain containing 147 amino acids and having a total molecular mass of 16.7 KDa.

- **Source** *E. Coli*
- **Purity** ≥ 98 % as determined by:(a) Gel filtration chromatography under non-denaturing conditions.(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** IL-22 Antagonist Mouse is lyophilized from a concentrated (1mg/ml) solution in water containing NaHCO₃*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

IL-22 E117A mutant is capable of full inhibition of STAT3 phosphorylation induced by mouse interleukin 22 in HepG cells. Its affinity toward immobilized mIL-22 receptor a1 extracellular domain (mIL-22 Ra1-ECD) or IL-22 binding protein is similar to the non-mutated mouse interleukin 22. Mouse IL-22 antagonist (E117A) has very low agonistic activity in this bioassay.

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 Interleukin-22 Mouse Antagonist although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL22 Antagonist should be stored at 4°C between 2-7 days and for future use below -18°C. **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 Ala-Leu-Pro-Val-Asn.

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.