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32-1497: mIL 22A Recombinant Protein

Alternative Name : IL-TIF,TIFa,IL-10-related T-cell-derived-inducible factor,IL-22,ILTIF,IL-D110,zcyto18,MGC79382,MGC79384,TIFIL-23.

Description

Source : Escherichia Coli. Interleukin-22 Antagonist Mouse 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. The Mouse IL-22 Antagonist is purified by proprietary chromatographic techniques. IL-22 is a member of the IL-10 family of regulatory cytokines.Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. Produced by T lymphocytes, IL-22 inhibits IL-4 production by Th2 cells, and induces acute phase reactants in the liver and pancreas. IL-22 signals through a receptor system consisting of IL-10R-beta/CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family.

Product Info

Amount :	10 µg
Purification :	Greater than 98.0% as determined by:(a) Gel filtration chromatography under non-denaturing conditions.(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
Content :	IL-22 Antagonist Mouse is lyophilized from a concentrated (1mg/ml) solution in water containing NaHCO3.
Storage condition :	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 prevent freeze-thaw cycles.
Amino Acid :	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Leu-Pro-Val-Asn.

Application Note

It is recommended to reconstitute the lyophilized Interleukin -22 in sterile 18MÃ‚Â©-cm H2O not less than 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions. 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.