

Recombinant rat IL-10 protein (Active) ab9970

Description

Product name	Recombinant rat IL-10 protein (Active)
Biological activity	Determined by the dose-dependent inhibition of antigen-specific T-cell proliferation. Dose is lot dependent.
Purity	> 98 % SDS-PAGE. Sterile filtered. Greater than 98% pure by HPLC analyses. Endotoxin level is less than 0.1 ng per g (1EU/g). Lot dependent.
Endotoxin level	< 1.000 Eu/g
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Rat
Sequence	Interleukin-10, originally known as Cytokine Synthesis Inhibitory factor (CSIF), is an 18.7 kDa protein of 160 amino acid residues that shares over 80% sequence homology with the Epstein-Barr Virus protein BCRF1: SKGHSIKGDN NCTHFPVSQT HMLRELRAAF SQVKTFFQKK DQLDNIVLTD SLLQDFKGYL GCQALSEMIK FYLVEVMPQA ENHGPEIKEH LNSLGEKLKT LWIQLRRCHR FLPCENKSKA VEQVKNDFNK LQDKGVYKAM NEFDIFINCI EAYVTLKMKN
Amino acids	19 to 178

Specifications

Our **Abpromise guarantee** covers the use of **ab9970** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Lyophilized
Additional notes	The ED50, determined by the dose-dependent inhibition of antigen-specific T cell proliferation, is < 10 ng/ml

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituent: 0.328% Sodium phosphate This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team.

General Info

Function	Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells.
Tissue specificity	Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types.
Sequence similarities	Belongs to the IL-10 family.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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