

Recombinant Human IL-10

Catalog Number: **HZ-1145**

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 1.5 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	17 kDa, non-disulfide bonded homodimer, glycosylated
Formulation	10mM Tris-HCl pH 7.4 + 150mM NaCl, See Certificate of Analysis for details
Gene ID	3586

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage

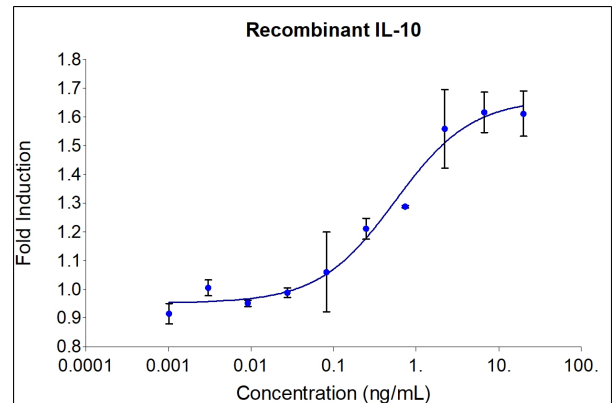
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

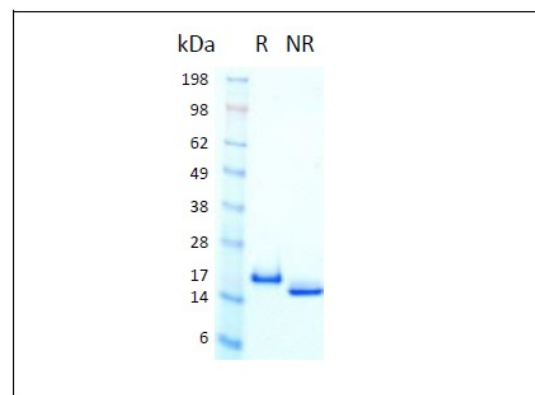
Animal-free Recombinant Human IL-10 is expressed in human 293 cells as a non-covalent homodimeric glycoprotein with an apparent molecular mass of 17 kDa. This cytokine is produced in a serum-free, chemically defined media. IL-10 is produced by a variety of mammalian cell types which includes T cells, B cells, macrophages, and keratinocytes monocytes. It is an anti-inflammatory cytokine with multiple, pleiotropic effects in inflammation and immunoregulation. Glycosylation contributes to stability in cell growth media and other applications. The cytokine is greater than 95% pure.

Synonyms

CSIF, IL 10, IL10, IL10A, interleukin 10, TGIF



The activity was determined by the dose-dependent stimulation of the proliferation of MC/9 cells (mouse mast cell line) in the presence of 200 pg/mL IL-4 using the Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

For technical support and original validation data for this product please contact:

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1(312) 455-8498 (outside USA)

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