

Recombinant Human IL-10 (Interleukin 10)

Catalog # (Size): HZ-1145 (10µg) HZ-1146 (100µg) HZ-1147 (1000µg)

Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- High Activity
- Authentic Glycosylation

Xeno-free IL-10^{HuXp} 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.

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 1.5 ng/mL EC ₅₀
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	17 kDa, non-disulfide bonded homodimer, glycosylated
Formulation	10mM Tris-HCl pH 7.4 + 150mM NaCl

Purity Confirmation

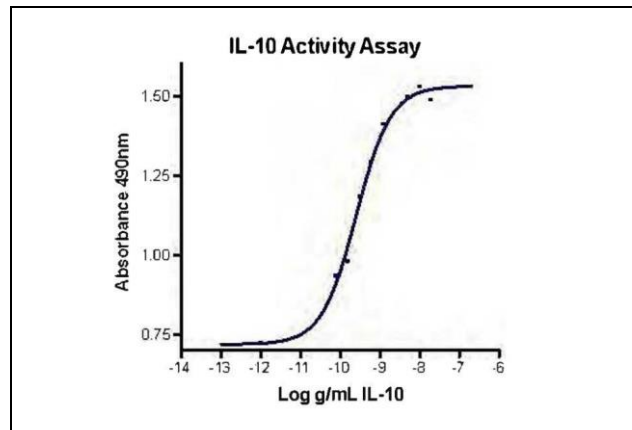
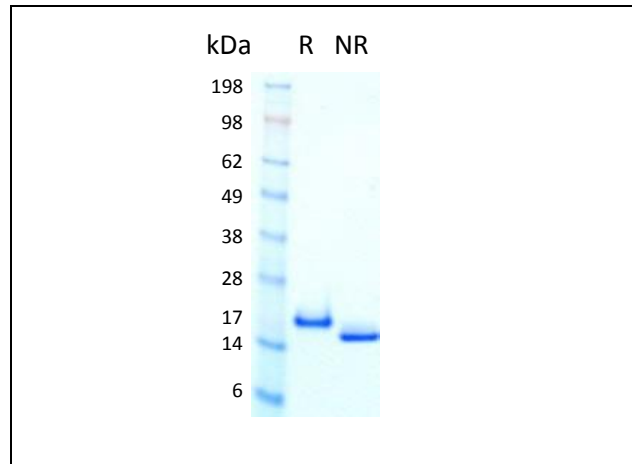
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

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.



All HumaXpress® HumanKine™ are animal-component-free and Xeno-free™



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).

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