

Recombinant Human IL-27 (Interleukin 27)

Catalog # (Size): HZ-1275 (10µg) HZ-1276 (100µg) HZ-1277 (1000µg)

Product Description

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

Xeno-free human IL-27^{HuXp} is expressed in human 293 cells as a non-covalently bonded heterodimer cytokine composed of IL27p28 (25 kDa) and glycosylated EB13 (30 kDa). Production in human 293 cells uses a serum-free, chemically defined media and offers authentic glycosylation. Cytokines produced in non-human expression systems may have an artificial linker, a tag, and/or not human-like posttranslational modifications.

Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 12 ng/mL EC ₅₀
Purity	>95%
Endotoxin	<1 EU/µg
Molecular Mass	25 and 30 kDa, non-covalently bonded heterodimer, glycosylated
Formulation	1x PBS

Purity Confirmation

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

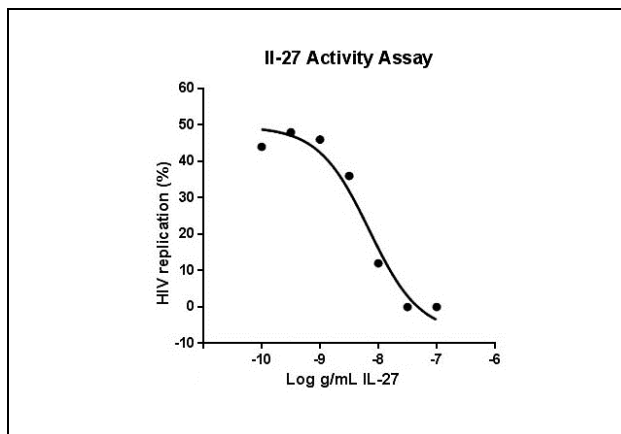
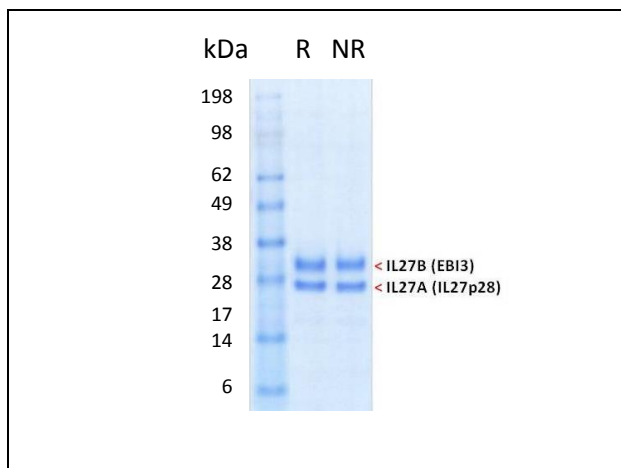
Activity Assay

The specific activity was determined by the dose dependent inhibition of HIV replication in human CD4+ T cells and in human monocyte-derived macrophages.

Fakruddin, J.M., et al. Blood 109:1841.



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 1x PBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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