


**Recombinant Human
IL-12**

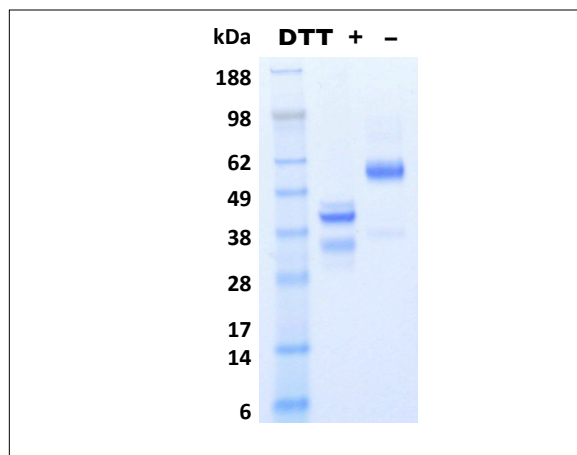
IL-12 HumaXpress

Product Description

- Endotoxin-free*
- Animal-derived product free
- Available in Bulk
- High Activity
- Expressed as Disulfide-linked Heterodimer

Xeno-free IL-12^{HuXp} is expressed in human 293 cells as a heterodimeric cytokine composed of two glycosylated and disulfide-linked subunits (p40 cysteine-linked to p35). Production in human 293 cells uses a serum-free, chemically defined media and offers authentic glycosylation. Cytokines produced in Sf9 or Sf21 cells have post-translational modifications which are not human-like.

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



Typical Specifications

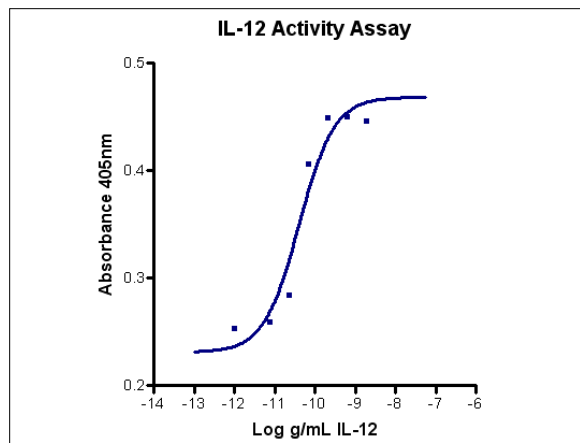
Species Human
Expression Human Cell Expressed
Activity 0.1 to 0.5 ng/mL ED50
Purity >95%
Endotoxin Endotoxin-free*
Molecular Mass 57 kDa, heterodimer, glycosylated

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 release of IFN-gamma from the human NK92 cell line in presence of 20 ng/mL rIL-2.



* Endotoxin-free ... <1 EU/μg
 All HumanKine™ cytokines are expressed in the HumaXpress® human cell expression system and intrinsically have low endotoxin levels.

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