


**Recombinant Human
IL-1 beta**

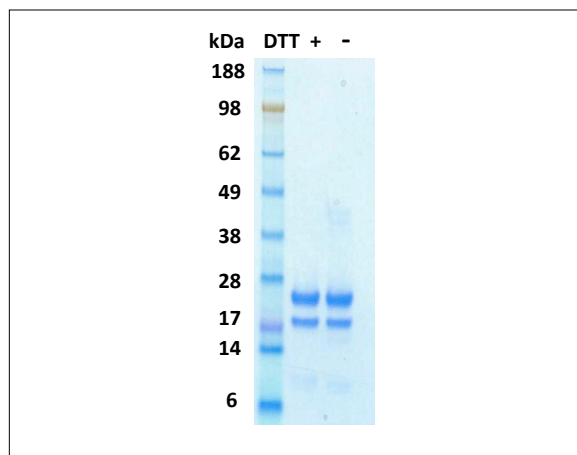
IL-1 beta HumaXpress

Product Description

- Endotoxin-free*
- Animal-derived product free
- Very High Activity

Xeno-free IL-1 beta^{HuXp} expressed in human 293 cells has a very high activity with a typical ED50 of 0.02 to 0.08 ng/mL using a bioassay to measure stimulation of the proliferation of mouse D10S cells. In comparison with the E. coli expressed protein, IL-1 beta^{HuXp} is 50% more potent promoting human CD4+ T cell differentiation into Th17 cells. This cytokine is produced in a serum-free, chemically defined media.

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



Typical Specifications

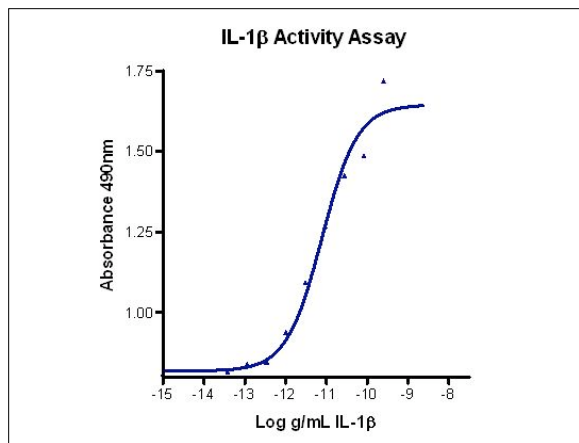
Species Human
Expression Human Cell Expressed
Activity 0.02 to 0.08 ng/mL ED50
Purity >95%
Endotoxin Endotoxin-free*
Molecular Mass 18 and 25 kDa, monomer, glycosylated

Purity Confirmation

The 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 stimulation of the proliferation of mouse D10S cells.



* 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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