HUMANZYME
HUMAN PROTEINS FROM HUMAN CELLS

PRODUCT DATA SHEET

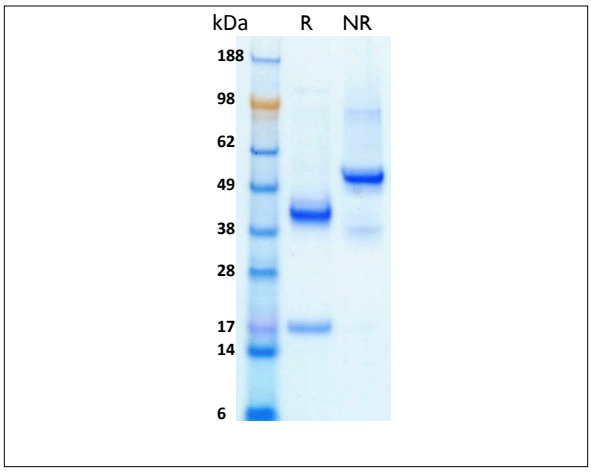
Recombinant Human IL-23 (Interleukin 23)

Prouct Description

- Endotoxin-free
- Animal-derived product free
- Available in Bulk
- Lyophilized and Carrier Free (CF)
- Expressed as disulfide-linked heterodimer

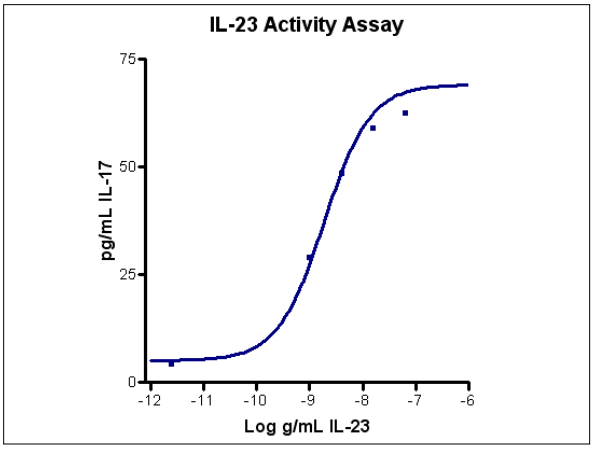
Xeno-free IL-23 is expressed in human 293 cells as a heterodimeric glycoprotein composed of two disulfide-linked subunits (p40 cystine linked to p19). IL-23 has been shown to enhance proliferation of memory T cells. It also stimulates the production of IFN-gamma in NK cells, induces IL-17 production, and drives Th17 mediated responses.

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



Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 30 ng/mL EC_{50}
Purity	> 95%
Endotoxin	<1 EU/µg
Molecular Mass	55 kDa, 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 activity was determined by the dose-dependent secretion of IL-17 in response to IL-23 using murine splenocytes.

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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