

Recombinant Human IL-29

Catalog Number:HZ-1156

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

| | | |
|---|--|--|
| Species: human | Purity: >95% | Formulation: 1x PBS, See Certificate of Analysis for details |
| Expression: HEK293 | Endotoxin: <1 EU/ μ g | Gene ID: 282618 |
| Activity: 0.12-0.6 ng/mL EC50 | Molecular Mass: 29 and 35 kDa, monomer, glycosylated | |

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).

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human IL-29 (IFN-lambda 1) is expressed in human 293 cells as a glycoprotein with an apparent molecular mass of 29 and 35 kDa. IL-29 has immunomodulatory activity and may function in antiviral immunity. This cytokine is produced in a serum-free, chemically defined media. Production in human 293 cells offers authentic human glycosylation which contributes to stability in cell growth media and other applications. The purity is greater than 95%.

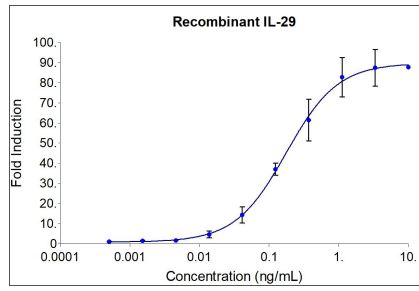
Synonyms

Cytokine Zcyto21, IFN lambda 1, IFNL1, IFN-lambda 1, IL 29, IL29, IL-29, Interferon lambda 1, Interleukin 29, ZCYTO21

Selected Validation Data



Purity of recombinant human IL-29 was determined by SDS-polyacrylamide gel electrophoresis. The protein was resolved in an SDS-polyacrylamide gel in reducing and non-reducing conditions and stained using Coomassie blue.



Recombinant human IL-29 (HZ-1156) stimulates dose-dependent induction of alkaline phosphatase production in a HEK293 reporter cell line. Alkaline phosphatase production was assessed using pNPP as a chromogenic substrate. The EC₅₀ was determined using a 4-parameter non-linear regression model. The EC₅₀ values range is 0.12-0.6 ng/mL.