

Interleukin-29 (Interferon Lamda 1) Reference standard

Cat. No. IL29-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This material is intended as a biological reference standard in bioassays for IL-29 (Interferon Lamda 1).
Species	Human
Enzyme Unit	The assigned potency of the preparation is 5,000 units of biological activity per ampoule.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. Dissolve the total contents of the ampoule with 0.5 ml of sterile distilled water. Rinse the ampoule with 0.4 ml of sterile distilled water and make up the total volume to 1ml with sterile distilled water. This solution should now contain IL-29 at a concentration of 5,000 U/ml. Use carrier protein where extensive dilution is required. It is recommended that the IL-29 solution be used immediately or stored as indicated in section 5.
Notes	This preparation is not for administration to humans. The preparation contains human and bovine source material. The preparation contains an excipient of human origin which has been tested and found negative for HBsAg and HIV antibody. The preparation has subsequently been tested and found negative for anti-HCV and HCV RNA by PCR. The bovine casein used as an excipient was sourced from a country where bovine spongiform encephalopathy (BSE) has not been found. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own

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laboratory safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

Stability

Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities and they should be stored on receipt as indicated on the label. Accelerated degradation studies have indicated that this material is suitably stable, when stored at -20°C or below, for the assigned values to remain valid until the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

For economy of use, it is recommended that the solution be sub-divided into several small aliquots and stored at -40 °C or below. Avoid repeated thawing/freezing. Unopened ampoules should be stored at -20 °C . Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name	IL29 interleukin 29 (interferon, lambda 1) [Homo sapiens];
Official Symbol	IL29
Synonyms	IL29; interleukin 29 (interferon, lambda 1); interleukin 29; interleukin-29; IFNL1; IL 29; IFN-lambda-1; cytokine Zcyto21; interferon lambda-1; interferon-lambda-1; interferon, lambda 1; IL-29;

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Gene ID	282618
mRNA Refseq	NM_172140
Protein Refseq	NP_742152
MIM	607403
UniProt ID	Q8IU54
Chromosome Location	19q13.13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine activity; interleukin-28 receptor binding; receptor binding;

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