

Mouse Interleukin-1 alpha (rDNA derived) Reference standard

Cat. No. II1a-134M Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Mouse

Enzyme Unit The assigned potency is 100,000 arbitrary units per ampoule.

Usage No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. For all practical purposes, each ampoule contains the same quantity of the substances listed above. Dissolve the total contents of the ampoule in 0.5 ml of sterile distilled water. Rinse out the ampoule with a further 0.4ml sterile distilled water and make up the amount to 1ml. The concentration is then at 100,000 units per ml.

Notes This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. 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 laboratorys 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. An arbitrary unitage was assigned to this preparation at the time of production without confirmation of long term stability. Evidence from similar materials prepared

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by an equivalent process indicates that long term stability is likely to be maintained and the material is suitably stable for shipment at ambient temperature without any effect on the assigned values. Once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

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

GENE INFORMATION

Gene Name [IL1a interleukin 1 alpha \[Mus musculus \];](#)

Official Symbol [IL1a](#)

Synonyms [IL1A; interleukin 1 alpha; interleukin-1 alpha; IL-1 alpha; IL-1a;](#)

Gene ID [16175](#)

mRNA Refseq [NM_010554](#)

Protein Refseq [NP_034684](#)

Pathway

Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis signaling pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Cytokines and Inflammatory Response (BioCarta), organism-

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specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem;

Function

copper ion binding; cytokine activity; interleukin-1 receptor binding;

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