

Human Macrophage Inflammatory Protein-1 alpha (rDNA derived) Reference standard

Cat. No. CCL3-119H Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Enzyme Unit The assigned potency is 200 arbitrary units 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 in 0.5ml of sterile distilled water. Rinse the ampoule with a further 0.4ml of sterile distilled water and make up the total volume to 1.0ml. This solution will contain MIP-1alpha at a concentration of 200 units per ml. It is advisable to include a carrier protein during initial reconstitution to prevent loss of material if this does not interfere in the intended assay method.

Notes

This preparation is not for administration to humans. The material is not of human or bovine origin. 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

For economy of use, it is recommended that the solution be sub divided into aliquots and stored at +4°C for up to 1 week. 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 CCL3 chemokine (C-C motif) ligand 3 [Homo sapiens];

Official Symbol CCL3

Synonyms CCL3; chemokine (C-C motif) ligand 3; SCYA3, small inducible cytokine A3 (homologous to mouse Mip 1a); C-C motif chemokine 3; G0S19 1; LD78ALPHA; MIP 1 alpha; SIS-beta; PAT 464.1; G0/G1 switch regulatory protein 19-1; macrophage inflammatory protein 1-alpha; tonsillar lymphocyte LD78 alpha protein; small inducible cytokine A3 (homologous to mouse Mip-1a); MIP1A; SCYA3; G0S19-1; MIP-1-alpha;

Gene ID 6348

mRNA Refseq NM_002983

Protein Refseq NP_002974

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MIM	182283
UniProt ID	P10147
Chromosome Location	17q12
Pathway	Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;
Function	CCR1 chemokine receptor binding; CCR5 chemokine receptor binding; calcium-dependent protein kinase C activity; chemoattractant activity; chemokine activity; kinase activity; phospholipase activator activity; protein binding; protein kinase activity;