

Mouse Tumour Necrosis Factor alpha (rDNA derived) Reference standard

Cat. No. Lta-90M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	As a biological reference standard for murine TNF alpha.
Species	Mouse
Enzyme Unit	The assigned potency is 200,000 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 with 0.5ml of distilled water. Rinse the ampoule with about 0.4ml of distilled water and make up the total volume to 1.0ml with distilled water. This solution will contain murine TNF alpha at a concentration of 200,000 units/ml. Use carrier protein where extensive dilution is required.
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 laboratory's 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-

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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is suitably stable, when stored at -20°C or below, for the assigned values to remain valid until the material is withdrawn or replaced.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. 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

Use carrier protein where extensive dilution is required. For economy of use, it is recommended that the solution be sub divided into several small aliquots and stored at -40°C or below. 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	Lta lymphotoxin A [Mus musculus];
Official Symbol	Lta
Synonyms	LTA; lymphotoxin A; lymphotoxin-alpha; TNF beta; lymphotoxin alpha; tumor necrosis factor ligand superfamily member 1; LT; Ltx; Tnfb; LT[a]; LT-[a]; TNFSF1; hlb382; LTalpha; Tnfsf1b; LT-alpha; TNF-beta; MGC117668;
Gene ID	16992
mRNA Refseq	NM_010735
Protein Refseq	NP_034865

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Chromosome Location	17 B1; 17 18.59 cM
Pathway	Apoptosis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem;
Function	cytokine activity; tumor necrosis factor receptor binding;

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