



Recombinant mouse IL-4

Mouse interleukin 4

Catalog # KPG-ReMIL4

IL-4 is an important inflammatory cytokine produced by Th2 lymphocytes and mast cells. This is an important adaptive immunity cytokine to induce immune responses against parasites and induction of allergy. The cytokine has a molecular mass each of 14 kilo Daltons. Recombinant mouse IL-4 can be intended for use in *in vivo* and *in vitro* applications. Recombinant mouse IL-4 is produced in E. coli BL21 transfected with the full-length sequence for the mouse IL-4 gene in the PET21b+.

PRODUCT INFORMATION

Content:

- 100 ng of lyophilized recombinant mouse IL-4

Storage and stability:

- Recombinant mouse IL-4 is shipped and stored at -20°C.
- Upon receipt, add 1 mL sterile distilled water and prepare aliquots of recombinant mouse IL-4 and store at -20°C for 12 months. If you need more concentrations, decrease the volume for sterile distilled water.

Note: Avoid repeated freeze-thaw cycles.

Quality control

- Purity greater than 98% as determined by SDS-PAGE.
- Endotoxin levels <0.1 EU/μg as determined using a kinetic chromogenic LAL assay.
- Biological activity was not tested.
- Did not Sterile. Please sterile after reconstitution using 0.22 μm filter.
- Expression system: E. coli BL21 strain
- Accession: P07750
- Protein length: Full length protein
- Animal free: Yes
- Carrier free: Yes
- Nature: Recombinant
- Predicted molecular weight: 14 kDa

CHARACTERISTICS

Source: Bacteria; E. coli BL21

Predicted molecular mass ≈ 14 kDa (as determined by SDS-PAGE)

Formulation:

Recombinant mouse IL-4 needs to be sterilized by filtered from 0.22 μm filter.
Solubility: 20 μg/ml in water

RELATED PRODUCTS

Recombinant Human TNF-α
Recombinant Human IL-1β
Recombinant Human IL-2
Recombinant Human IL-6
Recombinant Human IL-8
Recombinant Human IL-10
Recombinant Human IL-12
Recombinant Human IL-13
Recombinant Human IL-17A
Recombinant Human IL-29
Recombinant Human IL-18
Recombinant Human IFN-γ
Recombinant Human TGF-β
Recombinant Human VEGF
Recombinant Human CCL21
Recombinant Human CXCL10
Recombinant Human CXCL12
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Recombinant Human CCL3

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