**For Research Use Only. Not For Use In Diagnostic Procedures**

USER GUIDE **MesGen Biotechnology**

**Version 2.0**

|  |
| --- |
| **重组小鼠白介素-4**  |

**Recombinant Mouse Interleukin-4 / IL-4**

**Cat.No. MIL2004 Lot.No : Refer to Vial**

**Product Size : 10ug□ 50ug□ 500ug□**

**Technical literature is available at:** [**www.mesgenbio.com**](http://www.mesgenbio.com)**. E-mail MesGen Technical Services if you have questions on use of this system:** **tech@mesgenbio.com**

**Accession # :**P07750

**Known as :**Interleukin-4; IL-4; IL4; B-cell IgG differentiation factor; B-cell growth factor 1; B-cell stimulatory factor 1; BSF-1; IGG1 induction factor; Lymphocyte stimulatory factor 1

**Description**

Recombinant Mouse Interleukin-4 is produced by our Mammalian expression system and the target gene encoding His21-Ser140 is expressed with a 6His tag at the C-terminus.

**Quality control**

Greater than 95% as determined by reducing SDS-PAGE.

**Endotoxin**

Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

**Background**

Interleukin-4 (IL-4) is a pleiotropic cytokine that regulates diverse T and B cell responses including cell proliferation, survival and gene expression. IL-4 is produced by mast cells, T cells, and bone marrow stromal cells. IL-4 regulates the differentiation of naive CD4+ T cells into helper Th2 cells, characterized by their

****

**Do not eat**

cytokine-secretion profile that includes secretion of IL-4, IL-5, IL-6, IL-10, and IL-13, which favor a humoral immune response. Another dominant function of IL-4 is the regulation of immunoglobulin class switching to the IgG1 and IgE isotypes. Excessive IL-4 production by Th2 cells has been associated with elevated IgE production and allergic response.

**Reconstitution**

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Storage condition**

Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

产品仅供科学研究 禁止用于临床诊断

**For Research Use Only. Not For Use In Diagnostic Procedures.**

****