

Recombinant Mouse Interleukin-7/IL-7 Protein(C-6His)

Cat.NO.: TP05880

3th Edition

Synonyms:IL-7; IL-7 interleukin-7; interleukin-7; Lymphopoietin -1; PBGF

Description:Mouse interleukin-7(IL-7) is the member of hemopoietin family which is important to the differentiation, proliferation, and survival of lymphocyte. Mouse IL-7 shares approximately 88% aa sequence identity with rat IL-7 and 58-60% with human, equine, bovine, ovine, porcine, feline and canine IL-7. It is widely expressed in primary and secondary lymphoid tissues cell and stromal epithelial cells of the thymus, bone marrow, and intestines. IL-7 activation of IL-7 R alpha is critical for both T cell and B cell lineage development. It is important for proliferation during certain stages of B-cell maturation. IL-7 contributes to the maintenance of all na?ve and memory T cells, mainly by promoting expression of the anti-apoptotic protein Bcl-2. It is required for optimal T cell-dendritic cell interaction.

Form:PBS

Molecular Weight:15.9 kDa

Sequences:Glu26-Ile154

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.