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Product Datasheet

Recombinant Mouse IL-4 (C-6His) EBT-EPT252

Article Name	Recombinant Mouse IL-4 (C-6His)
Biozol Catalog Number	EBT-EPT252
Supplier Catalog Number	EPT252
Alternative Catalog Number	EBT-EPT252-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product 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....
Molecular Weight	Molecular weight: 14.6 KDa. Apparent molecular weight: 15-19 KDa, reducing conditions
UniProt	P07750
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using M-NFS-60 mouse lymphoblast cells. The ED50 for this effect is 0.035 ng/ml. 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 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
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