

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Recombinant Mouse IL-2 EBT-EPT026

Article Name	Recombinant Mouse IL-2
Biozol Catalog Number	EBT-EPT026
Supplier Catalog Number	EPT026
Alternative Catalog Number	EBT-EPT026-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse Interleukin-2 is produced by our E.coli expression system and the target gene encoding Ala21-Gln169 is expressed....
Molecular Weight	Molecular weight: 17.4 KDa. Apparent molecular weight: 17 KDa, reducing conditions
UniProt	P04351
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 0.001 ng/µg (0.01 EU/µg) as determined by LAL test. Biological activity: Loaded Human IL-2RA-Fc(CatCJ78) on Protein A Biosensor, can bind Mouse IL-2(CatCK24) with an affinity constant of 0.17 uM as determined in BLI assay.. Background: Interleukin 2 (IL 2), also termed T-cell growth factor, is a member of the cytokine family which includes IL-4, IL-7, IL-9, IL-15 and IL-21. Each member of this family has a four alpha helix bundle. IL-2 signals through the IL-2 receptor, a complex consisting of three subunits, termed alpha, beta and gamma. The IL-2 R gamma is shared by cytokine receptors of all members of cytokine family. Mature mouse IL2 shares 56% and 73% aa sequence identity with human and rat IL2, respectively. IL-2 is produced by CD4+ T cell, CD8+ T cells, gamma delta T cells, B cells, dendritic cells and eosinophils, and plays a vital role in key function of the immune system, tolerance and immunity, primarily via its potent stimulatory activity for T cells. Thus, IL2 may be a key cytokine in the natural suppression of autoimmunity.