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Product Datasheet

Recombinant Human IL-2 EBT-EPT011

Article Name	Recombinant Human IL-2
Biozol Catalog Number	EBT-EPT011
Supplier Catalog Number	EPT011
Alternative Catalog Number	EBT-EPT011-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Interleukin-2 is produced by our E.coli expression system and the target gene encoding Ala21-Thr153 is expressed....
Molecular Weight	Molecular weight: 15.5 KDa. Apparent molecular weight: 14 KDa, reducing conditions
UniProt	P60568
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 Human IL-2(CatC013) with an affinity constant of 17.0 nM as determined in BLI assay..

Background: Interleukin-2(IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system, belongs to the IL-2 family. It is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions that are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages and oligodendrocytes.