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Product Datasheet

Recombinant Mouse IL-10 EBT-EPT173

Article Name	Recombinant Mouse IL-10
Biozol Catalog Number	EBT-EPT173
Supplier Catalog Number	EPT173
Alternative Catalog Number	EBT-EPT173-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse Interleukin-10 is produced by our E.coli expression system and the target gene encoding Ser19-Ser178 is expressed....
Molecular Weight	Molecular weight: 18.9 KDa. Apparent molecular weight: 16 KDa, reducing conditions
UniProt	P18893
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 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/ μ g (0.01 EU/ μ g) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using FDC-P1 Mouse bone marrow cells The ED50 for this effect is 6 ng/ml. Background: Mouse IL10 is the prototypic member of the IL-10 cytokine family, including IL-10, IL-19, IL-20, IL-22 (IL-TIF), IL-24 and IL-26. Many viruses encode viral members of the IL-10 family, such as Epstein-Barr virus (EBV) and human cytomegalovirus (HCMV). Its main function is inhibiting the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. Although human and mouse IL-10 are 81% identical at the nucleotide and amino acid level, mouse IL-10 is species-specific and does not act on human cells. Interestingly, Human IL-10 is active on mouse cells