



Recombinant Mouse IL-10

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| Catalog # | EPT173 |
| Expression Host | E.coli |
| DESCRIPTION | Recombinant Mouse Interleukin-10 is produced by our E.coli expression system and the target gene encoding Ser19-Ser178 is expressed. |
| Accession | P18893 |
| Synonyms | Interleukin-10; Il10; IL-10; Cytokine synthesis inhibitory factor; CSIF |
| Mol Mass | 18.9 KDa |
| AP Mol Mass | 16 KDa, reducing conditions |
| Purity | Greater than 95% as determined by reducing SDS-PAGE. |
| Endotoxin | Less than 0.001 ng/ μ g (0.01 EU/ μ g) as determined by LAL test. |
| FORMULATION | Lyophilized from a 0.2 μ m filtered solution of 4mM HCl. |
| RECONSTITUTION | 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.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.

Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.

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.

SDS-PAGE

