

Recombinant Mouse IL-10

Catalog No.: RP0069

Basic Information

Information

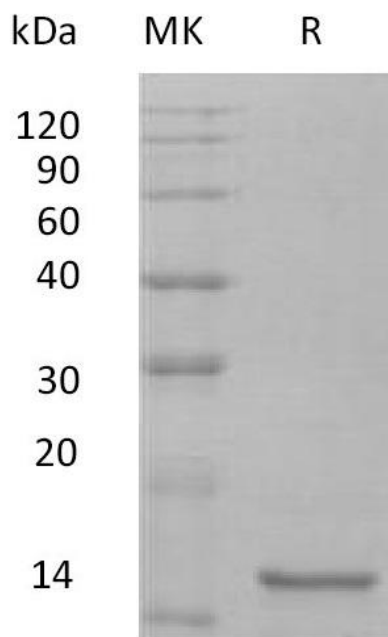
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|---------------------------|--|
| Source | <i>E.coli</i> |
| Description | Recombinant Mouse Interleukin-10 is produced by our E.coli expression system and the target gene encoding Ser19-Ser178 is expressed. |
| Accession | P18893 |
| Known As | Interleukin-10; Il10; IL-10; Cytokine synthesis inhibitory factor; CSIF |
| Predicted Mol Mass | 18.9 KDa |
| Apparent Mol Mass | 16 KDa, reducing conditions |

Properties

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|-----------------------|---|
| Formulation | Lyophilized from a 0.2 µm filtered solution of 4mM HCl. |
| Storage | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| Endotoxin | < 0.01 EU/µg as determined by LAL test. |
| 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. |

Experimental Data

Purity-SDS-PAGE



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

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.