

Recombinant Mouse IL10 Protein

Cat. No. IL10-115M Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Mouse Interleukin-10 is produced by our E.coli expression system and the target gene encoding Ser19-Ser178 is expressed. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | Ser19-Ser178 |
| Description | 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. |
| Form | Lyophilized from a 0.2 um filtered solution of PBS, pH7.4. |
| AA Sequence | MSRGQYSREDNNCTHFPVGGQSHMLLELRTAFSQVKTFQTKDQLDNILLTDSLMDQ FKGYLGCQALSEMIQ FYLVEVMPQAE KHGPEIKEHLNSLGEKLTLMRLRRCHRF LPCENKSKAVEQVKSDFNKLQDQGVYKAMNEFDIFINCIEAY MMIKMKS |
| Endotoxin | Less than 0.1 ng/ug (1 EU/ug). |

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|--------------------------|--|
| Purity | >95% |
| Storage | <p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p> |
| Reconstitution | <p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Quality Statement | Purity: Greater than 95% as determined by reducing SDS-PAGE. |
| Shipping | <p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p> |

GENE INFORMATION

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|------------------------|---|
| Gene Name | IL10 interleukin 10 [<i>Mus musculus</i> (house mouse)] |
| Official Symbol | IL10 |
| Synonyms | Interleukin-10; IL-10; Cytokine synthesis inhibitory factor; CSIF; If2a |
| Gene ID | 16153 |
| mRNA Refseq | NM_010548.2 |
| Protein Refseq | NP_034678.1 |

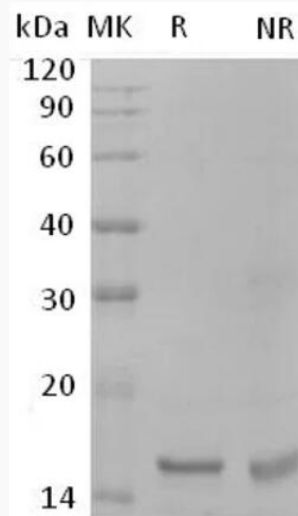
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UniProt ID P18893

SDS-PAGE



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