



SHANGHAI GENOMICS

Recombinant Rat Interleukin 10

rrIL-10

Catalog number: SG3210-01

Specifications and Use

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| Source | ● <i>Escherichia coli</i> . |
| Molecular Mass | ● 18kDa |
| Purity | ● Greater than 95% by SDS-PAGE analyses. |
| Biological Activity | ● The ED50 as determined by the dose-dependent inhibition of MC/9 proliferation is less than 25ng/ml. |
| Endotoxin Level | ● Less than 1EU/μg as determined by LAL method. |
| Formulation | ● Sterile filtered lyophilized (freeze-dried) powder, with 25mM PB+0.1M NaCl, pH 7.25 |
| Solubility | ● It is recommended to reconstitute the lyophilized rRaIL-10 in sterile ddH ₂ O containing at least 0.1% human serum albumin or bovine serum albumin to prepare a stock solution of no less than 1mg/ml of the cytokine. |
| Stability | ● The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. ● Reconstituted rat rrIL-10 should be stored in working aliquots at -20°C. ● Avoid repeated freeze-thaw cycles. |
| Usage | ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE. |

Rat Interleukin 10

IL-10 is an immunosuppressive cytokine produced by a variety of mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. IL-10 inhibits the expression of proinflammatory cytokines such as IL-1 and TNF α . Like IL-4, IL-10 enhances humoral immune responses and attenuates cell-mediated immune reactions. Human IL-10 active on murine cells, but murine IL-10 is inactive on human cells. Recombinant rat IL-10 is an 18.7kDa protein of 160 amino acid residues.