



## *Recombinant Rat Interleukin 10* **rrIL-10**

**Catalog number: HZ-6518**

**Lot: CHI-121407**

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### *Specifications and Use*

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|----------------------------|---|
| <b>Source</b>              | ● <i>Escherichia coli</i> .   |
| <b>Molecular Mass</b>      | ● 18.7kDa   |
| <b>Purity</b>              | ● Greater than 95% by SDS-PAGE analyses.  |
| <b>Biological Activity</b> | ● The ED50 as determined by the dose-dependent inhibition of MC/9 proliferation is less than 10ng/ml.   |
| <b>Endotoxin Level</b>     | ● Less than 1EU/μg.   |
| <b>Formulation</b>         | ● Sterile filtered lyophilized (freeze-dried) powder, with 25mM PB+0.1M NaCl , pH 7.25  |
| <b>Solubility</b>          | ● It is recommended to reconstitute the lyophilized rRaIL-10 in sterile ddH <sub>2</sub> 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. |
| <b>Stability</b>           | ● The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20 °C.<br>● Reconstituted rat rrIL-10 should be stored in working aliquots at -20 °C.<br>● Avoid repeated freeze-thaw cycles.          |
| <b>Usage</b>               | ● 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 $\alpha$ . 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.