

# PRODUCT DATA SHEET



Bioworld Technology, Inc.

## Recombinant IL-5, Rat (CHO-expressed)

Catalog Number: BK0251-50µg

Source: CHO

Quantity: 50µg

### Description:

Interleukin-5 (IL-5), produced by mast cells, T cells and eosinophils, mediates the activities of eosinophil differentiating factor, B cell growth factor II and T cell-replacing factor (TRF). It can increase production and mobilization of eosinophils and CD34+ progenitors from the bone marrow. IL-5 plays an important role in inducing cell-mediated immunity against parasitic infections and certain tumors. IL-5 also promotes differentiation of basophils and primes them for histamine and leukotriene release.

### Molecular Weight:

13~21 kDa, observed by reducing SDS-PAGE.

### Purity:

> 95% as analyzed by SDS-PAGE.

### Biological Activity:

ED50 < 0.5 ng/ml, measured in a proliferation assay using TF-1 Cells.

### Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

Lyophilized after extensive dialysis against PBS.

### AA Sequence:

MEIPMSTVVKETLIQLSTHRALLTSNETMRL-  
PVPTHKNHQLCIGEIFQGLDILK-  
NQTVRGGTVEILFQNLSLIKKYIDGQ  
KEKCGEERRKTRHFLDYLQEFLGVMSTEW-  
AMEV

### Endotoxin:

< 0.2 EU/µg, determined by LAL method.

### Reconstitution:

Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.

### Storage:

Lyophilized recombinant Rat Interleukin-5 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Rat Interleukin-5 should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

### Usage:

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