

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant IL-5, Rat

Catalog Number: BK0251-1mg

Source: CHO

Quantity: 1mg

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 ddH2O 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:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.