

IL-5, Rat (CHO-expressed)

Cat. No.: Z03114-50

Size: 50.0 ug

Synonyms: EDF, BCDFII, TRF

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.

Amino Acid Sequence:

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00001 MEIPMSTVVK ETLIQLSTHR ALLTSNETMR LPVPTHKNHQ  
00041 LCIGEIFQGL DILKNQTVRG GTVEILFQNL SLIKKYIDGQ  
00081 KEKCGEERRK TRHFLDYLQE FLGVMSTEW A MEV
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Source: CHO

Species: Rat

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

Molecular Weight: 13 21 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Rat Interleukin-5 remains stable up to 6 months at lower than -70°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.