

DATASHEET
Version 20181206**IL-5, Rat****Cat. No.:** Z03114-1**Size:** 1.0 mg**Synonyms:** EDF, BCDLII, 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:

00001 MEIPMSTVVK ETLIQLSTHR ALLTSNETMR LPVPTHKNHQ
00041 LCIGEIFQGL DILKNQTVRG GTVEILFQNL SLIKKYIDGQ
00081 KEKCGEERRK TRHFLDYLQE FLGVMSTEW MEV

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.